

Patent  
Attorney Docket: 003800-006

C of C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

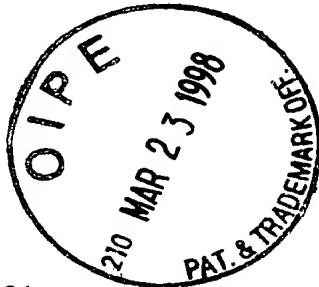
In re Patent of:

Nicholas S. BODOR

Patent No. 4,996,335

Issued: February 26, 1991

For: SOFT STEROIDS HAVING  
ANTI-INFLAMMATORY ACTIVITY



) **ATTENTION:**  
CERTIFICATE OF  
CORRECTION BRANCH  
Serial No.: 06/807,034  
Filed: December 9, 1985

**CERTIFICATE**

MAR 30 1998

**REQUEST FOR ISSUANCE OF CERTIFICATE OF CORRECTION**

**APPROVED**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

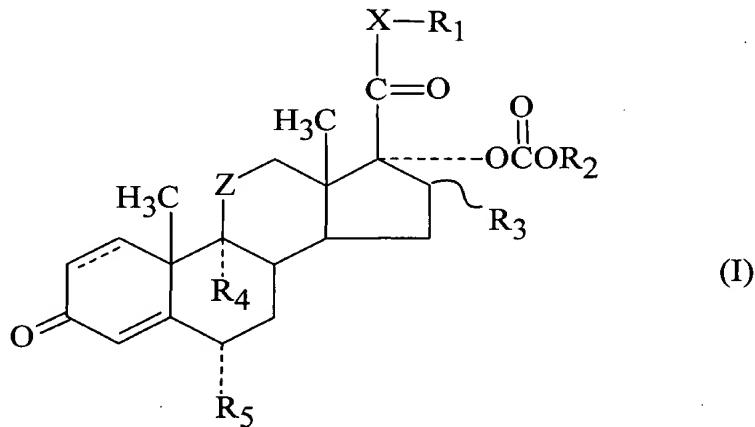
MAY 12 1998  
FOR THE COMMISSIONER OF PAT. & T.M.

Patentee hereby requests that the Commissioner issue a Certificate of Correction directed to the above-identified patent in view of errors that occurred during the printing thereof.

The corrections, which are also set forth on the enclosed duplicate originals of Form PTO-1050, are as follows:

In Column 1, line 9, "Sept. 18" should read --Sept. 15--.

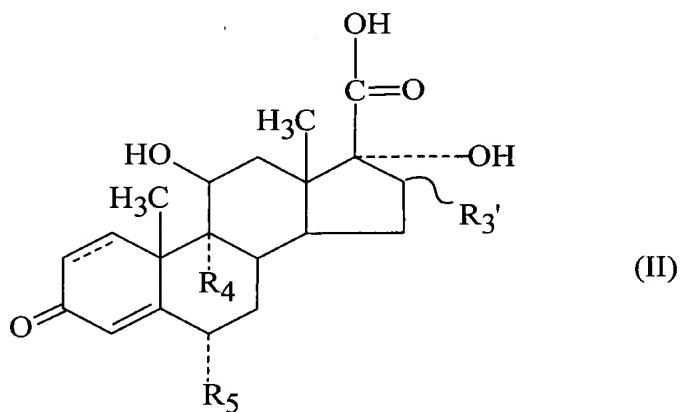
In Column 2, lines 45-57, delete the structural formula (I), and insert in its stead:



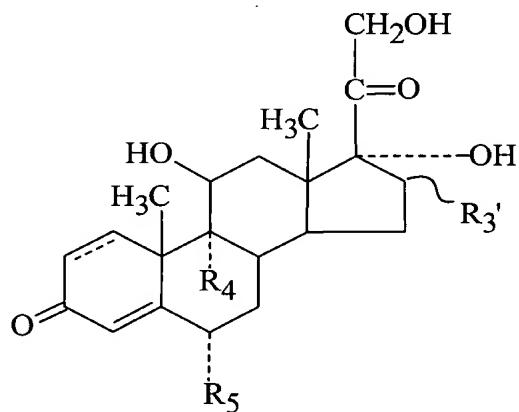
In Column 5, line 25, "timethylene" should read --trimethylene--.

In Column 5, lines 28 and 29, after "dialkylcarbamoyl", insert --groupings are of the type--.

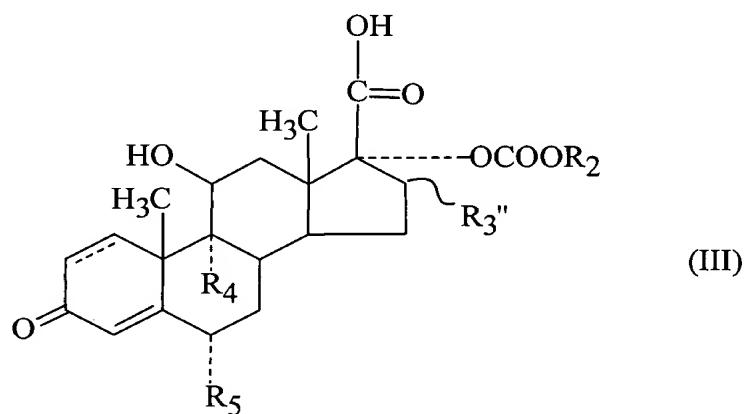
In Column 10, lines 1-13, delete the structural formula (II) and insert in its stead:



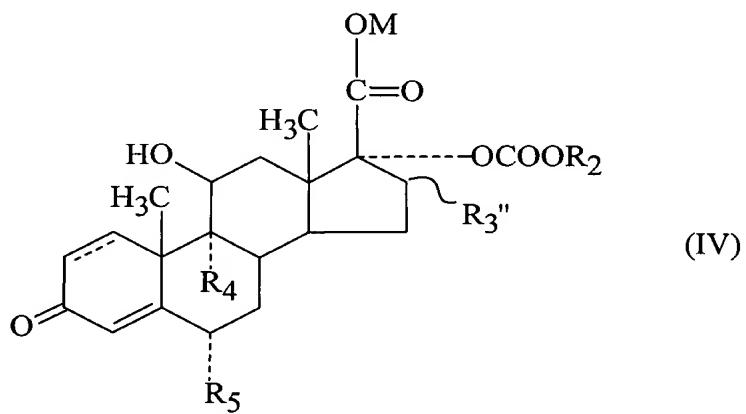
In Column 10, lines 20-30, delete the structural formula and insert in its stead:



In Column 10, lines 50-60, delete the structural formula (III) and insert in its stead:

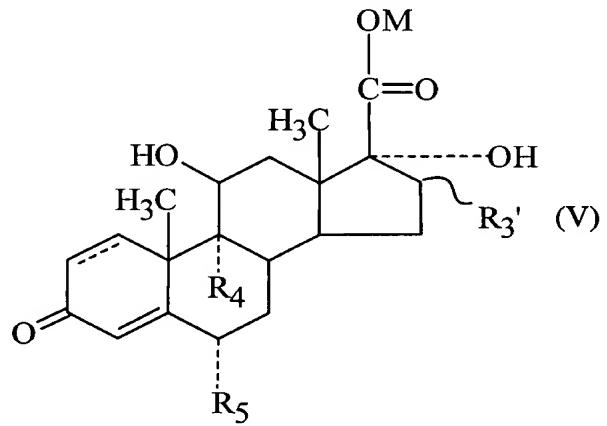


In Column 11, lines 15-25, delete the structural formula (IV) and insert in its stead:

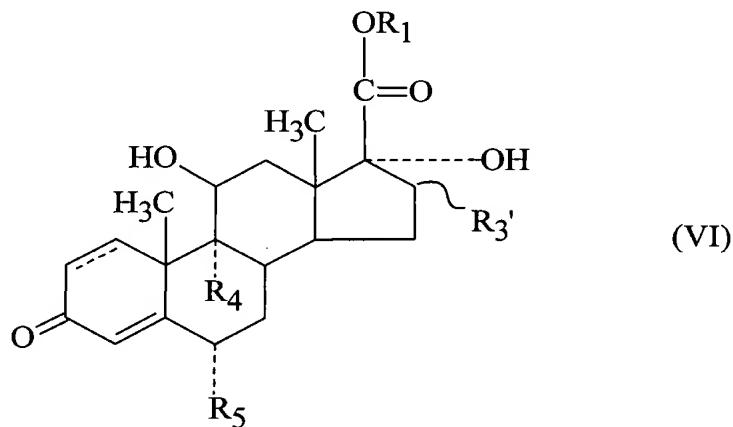


In Column 12, line 8, "wtih" should read --with--.

In Column 13, lines 1-12, delete structural formula (V) and insert in its stead:

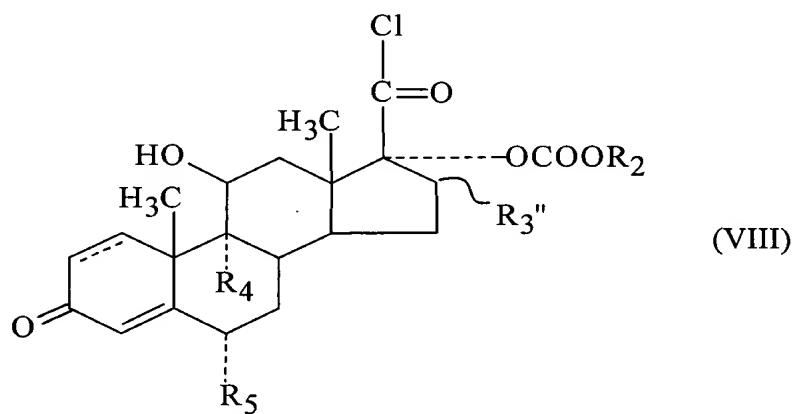


In Column 13, lines 18-29, delete the structural formula (VI) and insert in its stead:



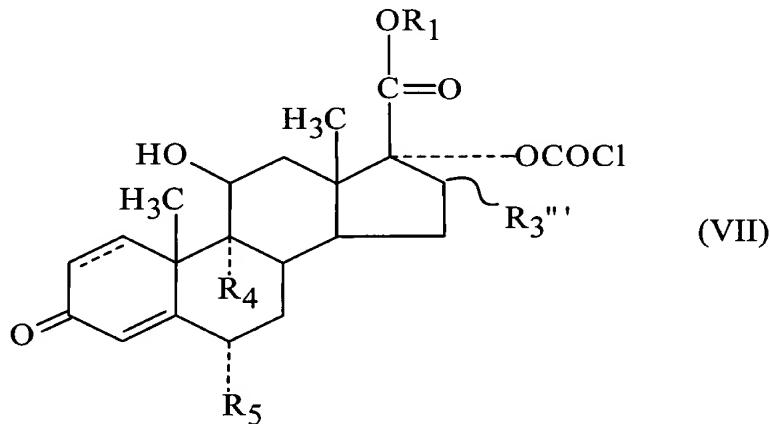
In Column 13, line 50, after "formula (I) wherein R<sub>1</sub> is", insert --a sulfinyl- or sulfonyl-containing group [e.g., when R<sub>1</sub> is--.

In Column 14, lines 5-17, delete the structural formula (VIII) and insert in its stead:

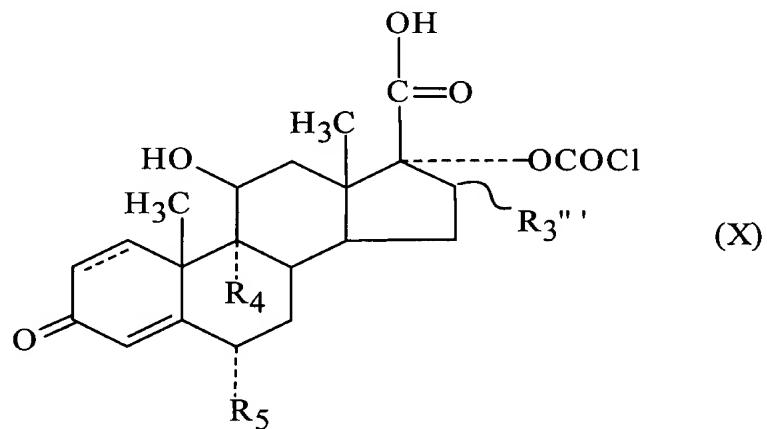


In Column 14, line 42, "phuosgène" should read --phosgene--.

In Column 14, lines 45-57, delete the structural formula (VII) and insert in its stead:

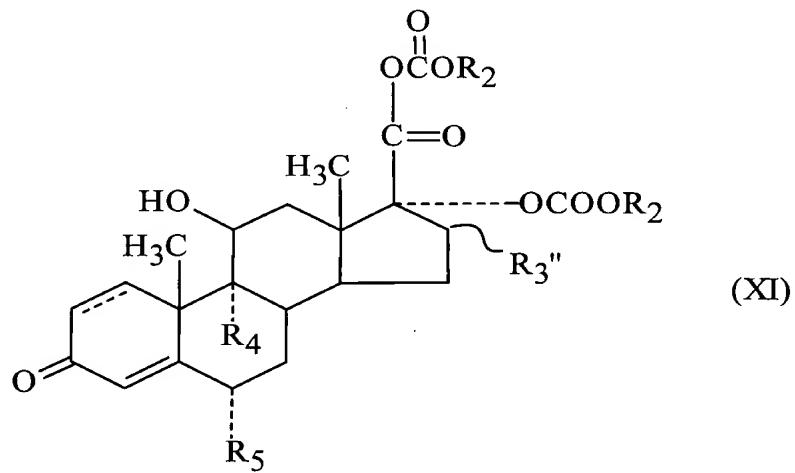


In Column 15, lines 23-34, delete the structural formula (X) and insert in its stead:



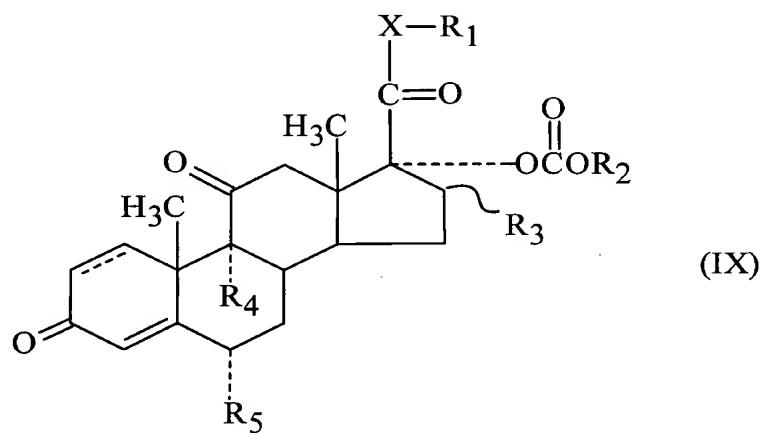
In Column 16, line 40, "aceyonitrile" should read --acetonitrile--.

In Column 16, lines 55-68, delete the structural formula (XI) and insert in its stead:



In Column 17, line 25, "suchy" should read --such--.

In Column 17, lines 36-46, delete the structural formula (IX) and insert in its stead:



In Column 18, line 20, "and" should read --an--.

In Column 18, line 60, "As" should read --An--.

In Column 20, line 3, "MeKenzie" should read --McKenzie--.

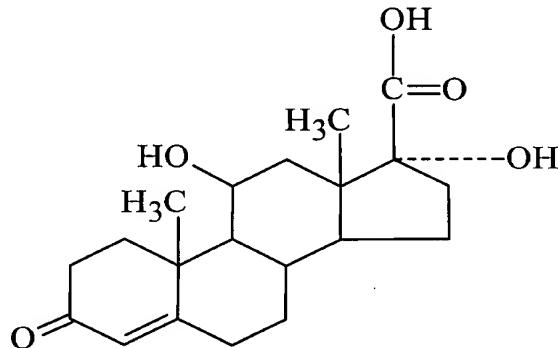
In Column 26, line 63, "asigned" should read --assigned--.

In Column 33, line 24, after "tioned", the period (".") should be a colon  
(--:--).

In Column 33, line 32, "propylactic" should read --prophylactic--.

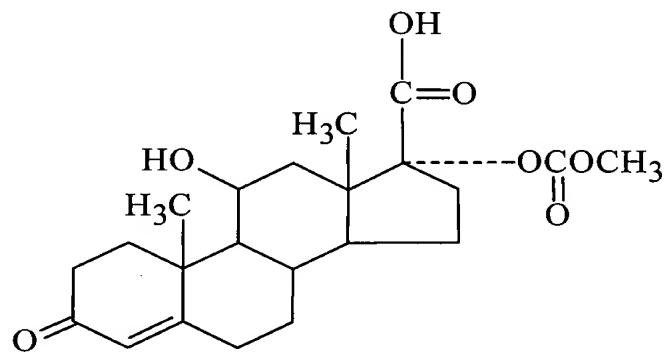
In Column 34, line 39, "17 $\alpha$ /e-" should read --17 $\alpha$ -e- --.

In Column 35, lines 47-58, delete the structural formula and insert in its stead:

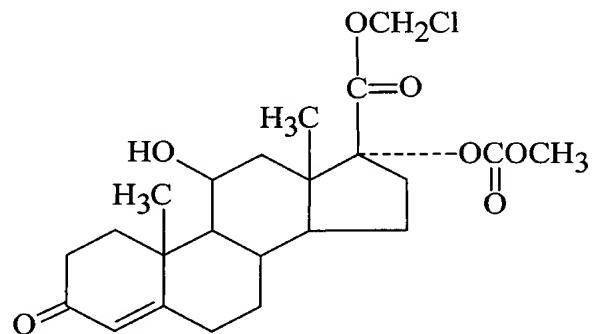


In Column 35, lines 67-68, "filtration" should read --filtrate--.

In Column 36, lines 12-23, delete the structural formula and insert in its stead:



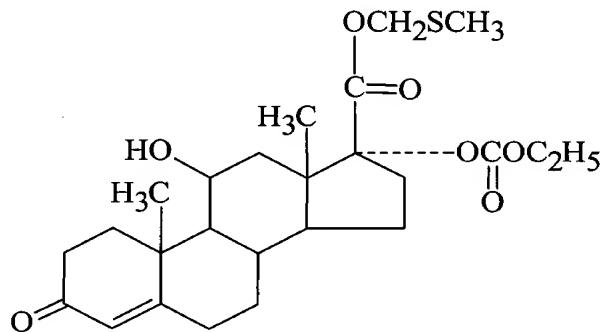
In Column 37, lines 15-25, delete the structural formula and insert in its stead:



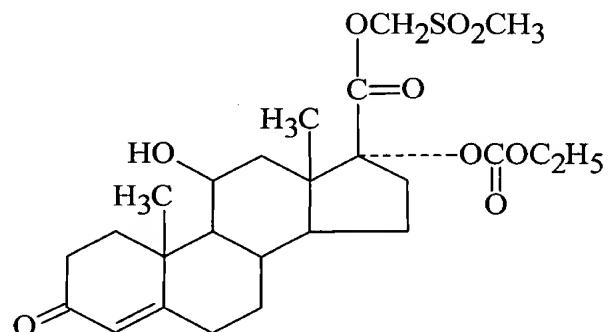
In Column 37, line 53, after "nmr(CDCl<sub>3</sub>)" and before "δ5.60", insert --δ5.80,--.

In Column 38, line 24, "mmol6)" should read --mmol)--.

In Column 38, lines 51-61, delete the structural formula and insert in its stead:



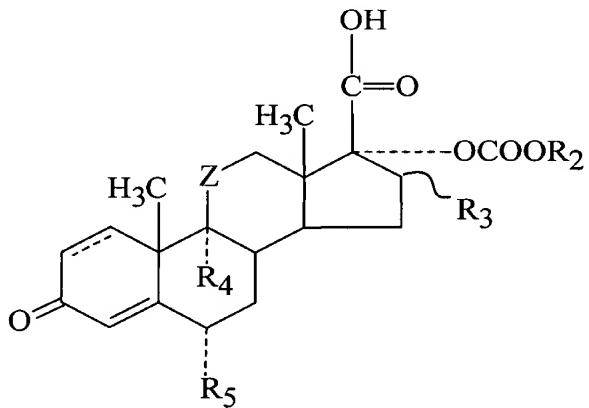
In Column 39, lines 6-16, delete the structural formula and insert in its stead:



In Column 39, line 22, "17 $\beta$ -ethoxycarbonyloxy" should read --17 $\alpha$ -ethoxycarbonyloxy--.

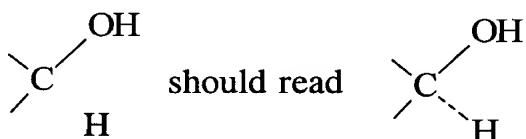
In Column 40, line 18, "11 $\alpha$ ,17 $\beta$ -dihydroxy" should read --11 $\beta$ ,17 $\alpha$ -dihydroxy--.

In Column 40, lines 35-46, delete the structural formula and insert in its stead:



In Column 40, line 48, delete "Compounds".

In Columns 40 and 41, in the table in Example 6A, for each of Compound Nos. 6A-1 through 6A-15, under column "Z", at each occurrence,

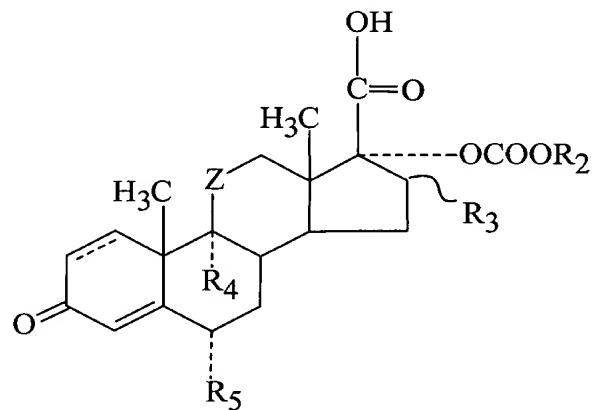


In Column 41, line 60, at the bottom of the table, before "6a-1 to 6A-15 above", insert --Compounds--.

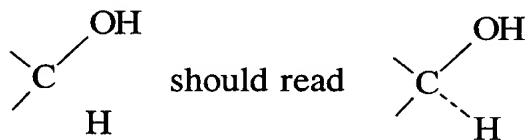
In Column 41, line 62, "17 $\alpha$ -benzyloxo" should read --17 $\alpha$ -benzyloxy--.

In Column 43, line 13, "aicd" should read --acid--.

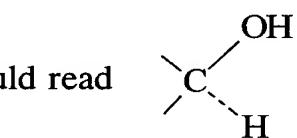
In Column 44, lines 10-21, delete the structural formula and insert in its stead:



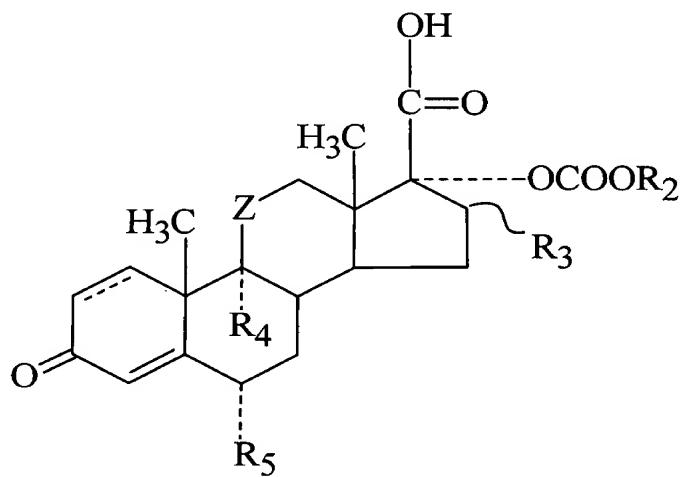
In Columns 44, 45-46 and 47-48, in the table in Example 6B, for each of Compound Nos. 6B-3, 6B-4, 6B-5, 6B-7, 6B-8, 6B-9, 6B-11, 6B-12, 6B-13, and 6B-15 through 6B-25, under column "Z", at each occurrence,



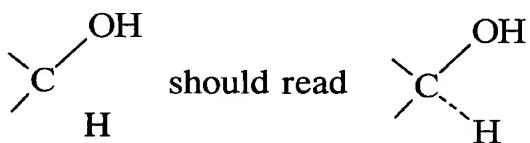
should read



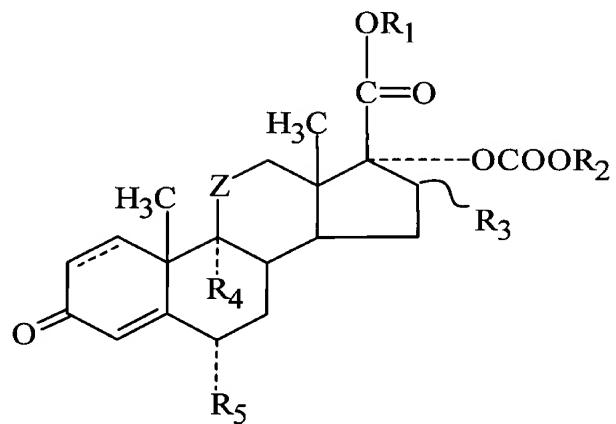
In Column 48, lines 15-26, delete the structural formula (VI) and insert in its stead:



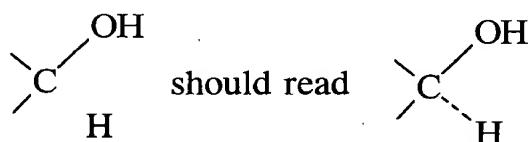
In Columns 48 and 49-50, in the table in Example 6C, for each of Compound Nos. 6C-1 through 6C-11, under column "Z", at each occurrence,



In Column 50, lines 33-45, delete the structural formula and insert in its stead:



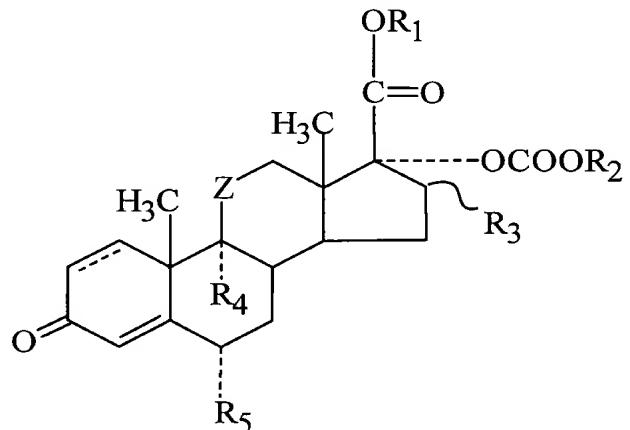
In Columns 50 through 56, in the table in Example 7A, for each of Compound Nos. 7A-1 through 7A-18 and 7A-21 through 7A-30, under column "Z", at each occurrence,



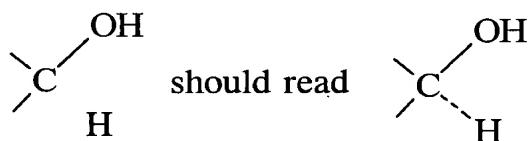
In Column 55, line 20, "17 $\beta$ -ethoxycarbonyloxy" should read  
--17 $\alpha$ -ethoxycarbonyloxy--.

In Column 56, line 14, "methylandrost" should read --methylandrosta--.

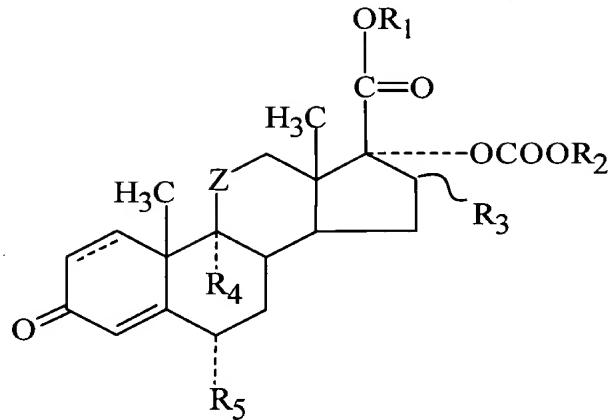
In Column 56, lines 46-56, delete the structural formula and insert in its stead:



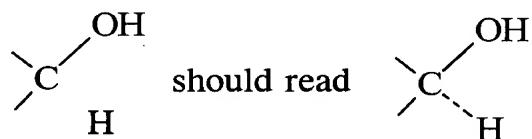
In Columns 56 through 66, in the table in Example 7B, for each of Compound Nos. 7B-1 through 7B-7, 7B-14 through 7B-18, 7B-22 through 7B-29, 7B-33 through 7B-40, and 7B-44 through 7B-64, under column "Z", at each occurrence,



In Column 66, lines 40-50, delete the structural formula and insert in its stead:

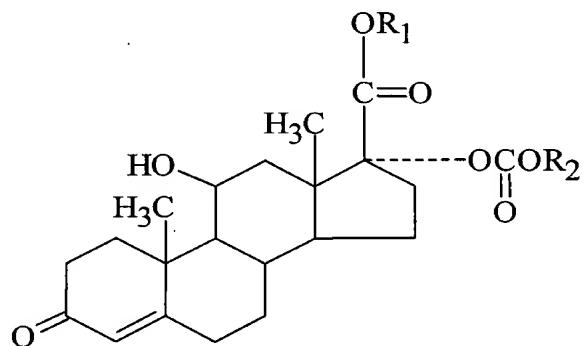


In Columns 66 through 68, in the table in Example 7C, for each of Compound Nos. 7C-1 through 7C-13, under column "Z", at each occurrence,



In Column 69, line 39, "11 $\alpha$ ," should read --11 $\beta$ --.

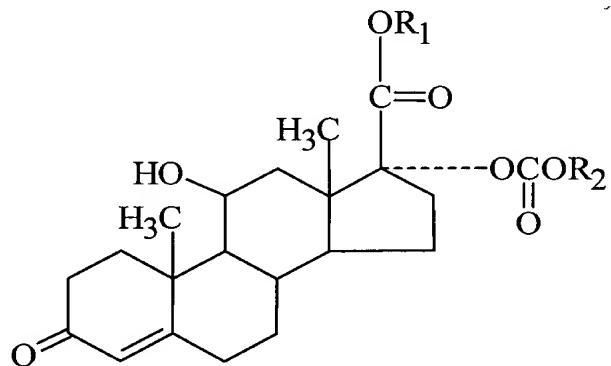
In Column 69, lines 52-62, delete the structural formula and insert in its stead:



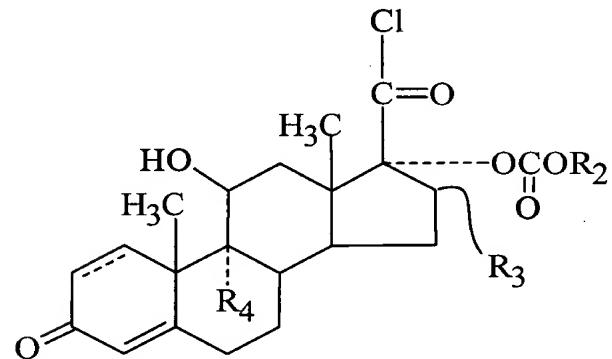
In Column 70, lines 3-13, delete the structural formula.

In Column 70, line 31, "thylfulfonylmethyl" should read --thylsulfonylmethyl--.

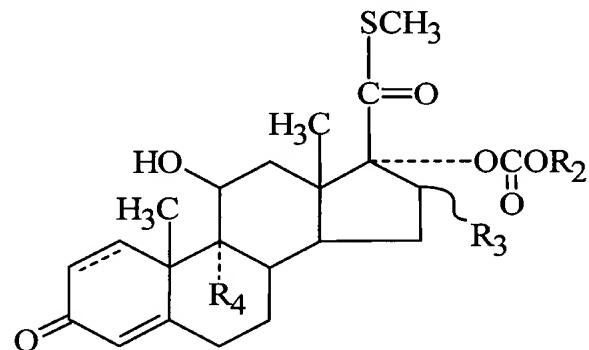
In Column 70, lines 37-46, delete the structural formula and insert in its stead:



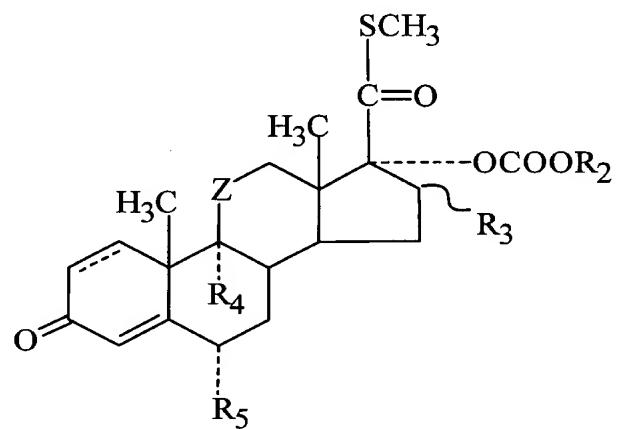
In Column 71, lines 2-11, delete the structural formula and insert in its stead:



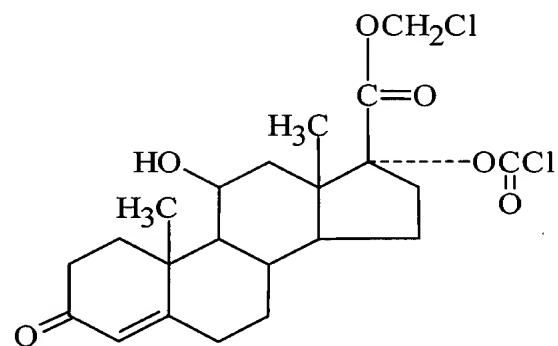
In Column 71, lines 22-31, delete the structural formula and insert in its stead:



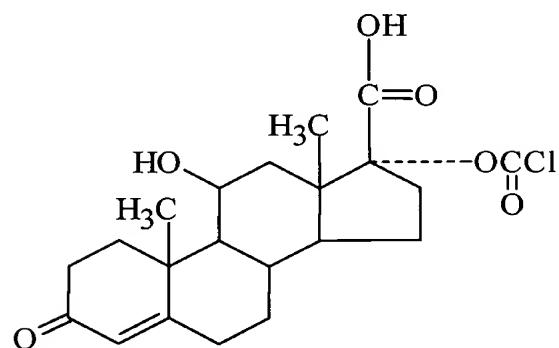
In Column 71, lines 44-54, delete the structural formula and insert in its stead:



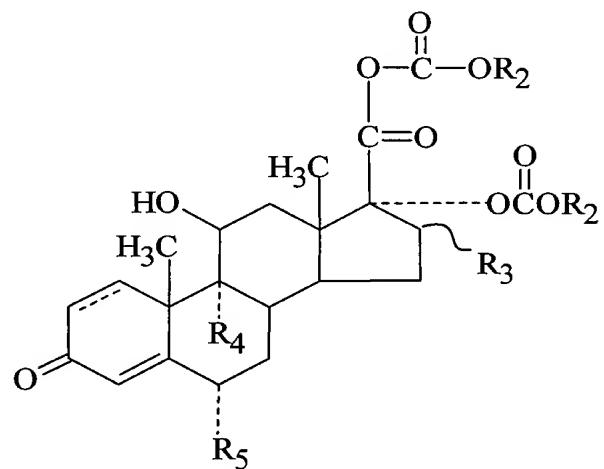
In Column 72, lines 5-13, delete the structural formula and insert in its stead:



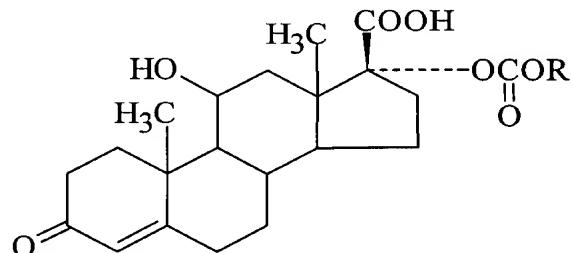
In Column 72, lines 51-60, delete the structural formula and insert in its stead:



In Column 74, lines 2-14, delete the structural formula and insert in its stead:

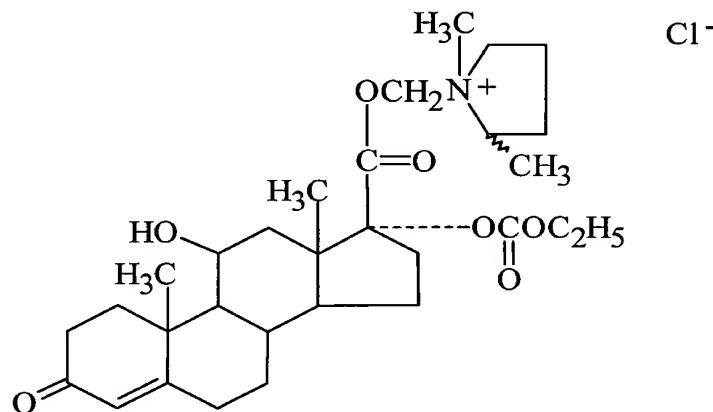


In Column 74, lines 47-55, delete the structural formula and insert in its stead:

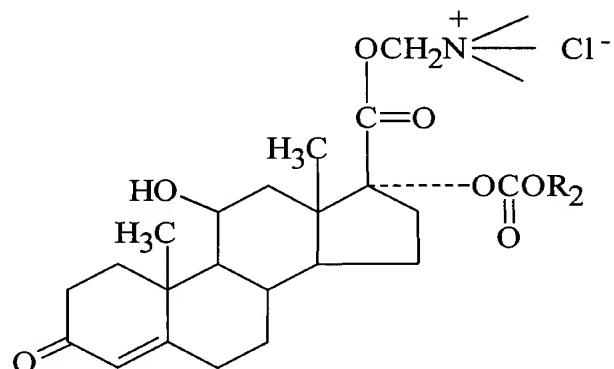


In Column 76, line 6, "dikmethylpyrrolidine" should read --dimethylpyrrolidine--.

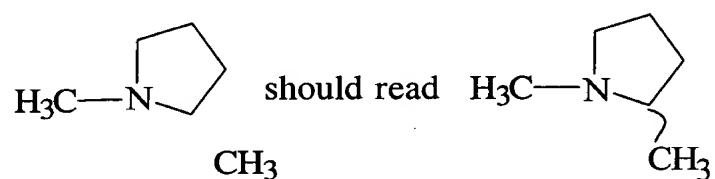
In Column 76, lines 17-30, delete the structural formula and insert in its stead:



In Column 76, lines 37-48, delete the structural formula and insert in its stead:

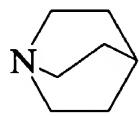


In Column 76, lines 52-55,

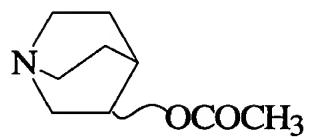


In Column 77, lines 3-12, delete the structural formula.

In Column 77, lines 17-20,



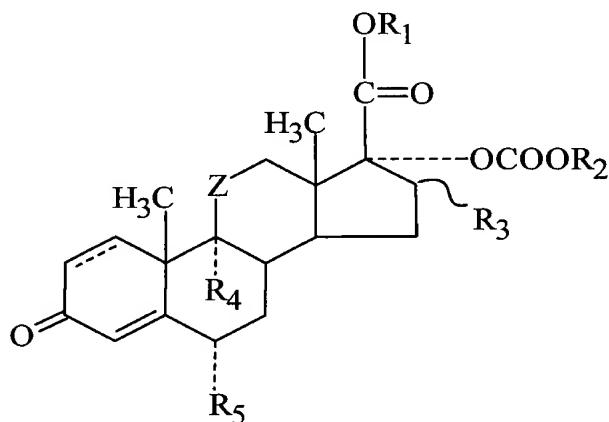
should read



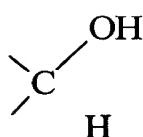
In Column 77, lines 57-58, "Benalkonium" should read --Benzalkonium--.

In Column 78, line 38, "Eye Drops" should be underlined.

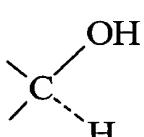
In Column 79, lines 14-25, delete the structural formula and insert in its stead:



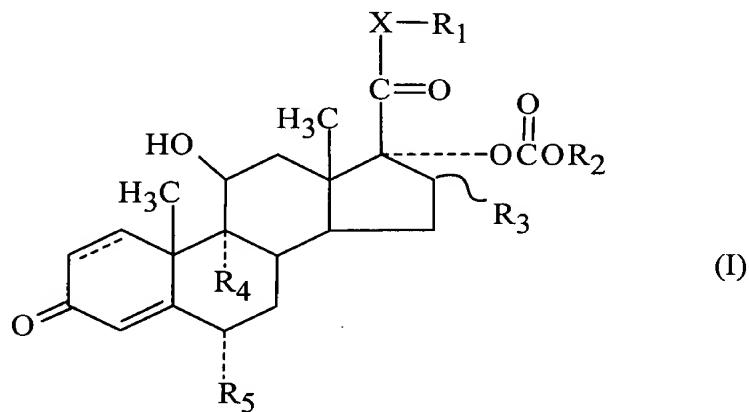
In Columns 79-80, lines 24-38, in the table in Example 29, for each of Compound Nos. 29-1 and 29-2, under column "Z", at each occurrence,



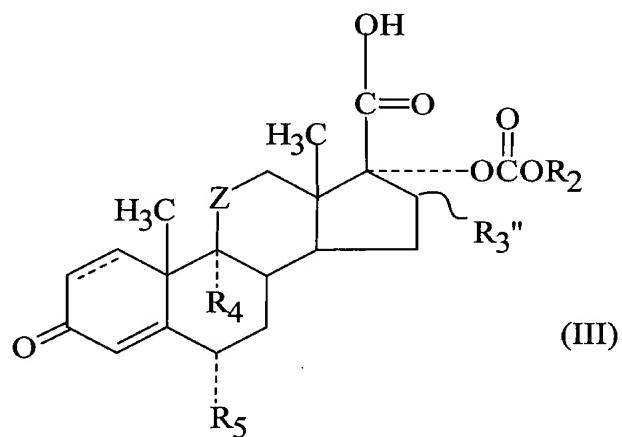
should read



In Column 80, lines 2-12, part (a) of Claim 1, delete the structural formula (I) and  
insert in its stead:

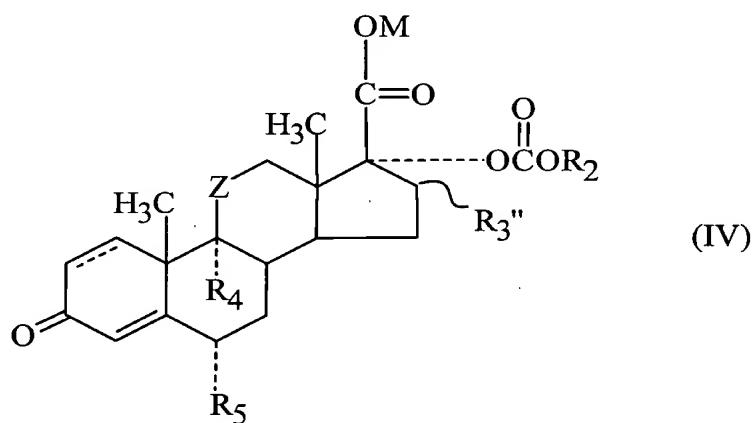


In Column 81, lines 55-65, part (c) of Claim 1, delete the structural formula and  
insert in its stead:



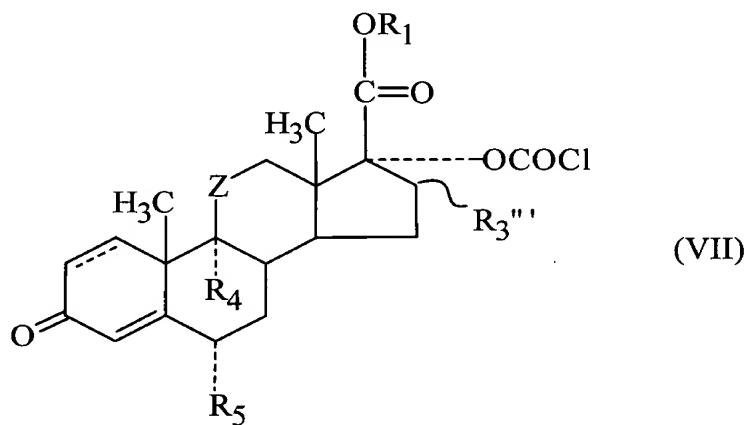
In Column 82, lines 15-24, part (d) of Claim 1, delete the structural formula (IV)

and insert in its stead:



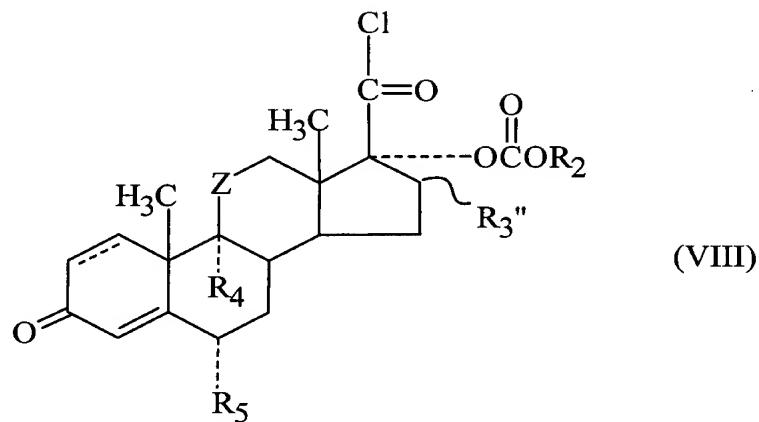
In Column 82, lines 34-44, part (e) of Claim 1, delete the structural formula (VII)

and insert in its stead:



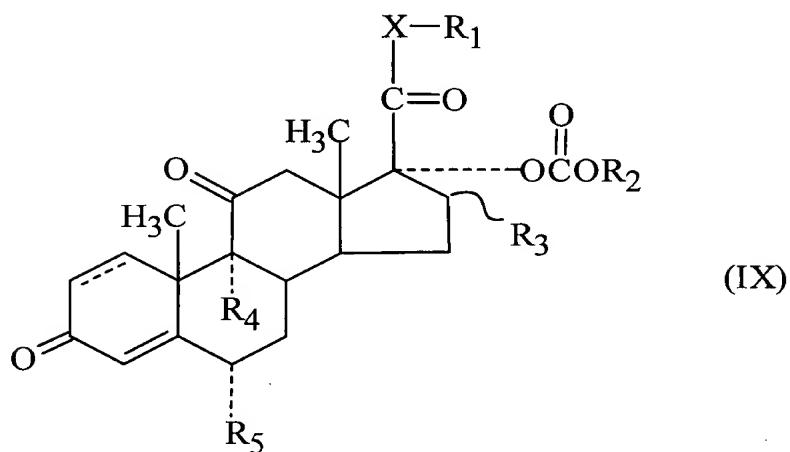
In Column 82, lines 53-64, part (f) of Claim 1, delete the structural formula (VIII)

and insert in its stead:

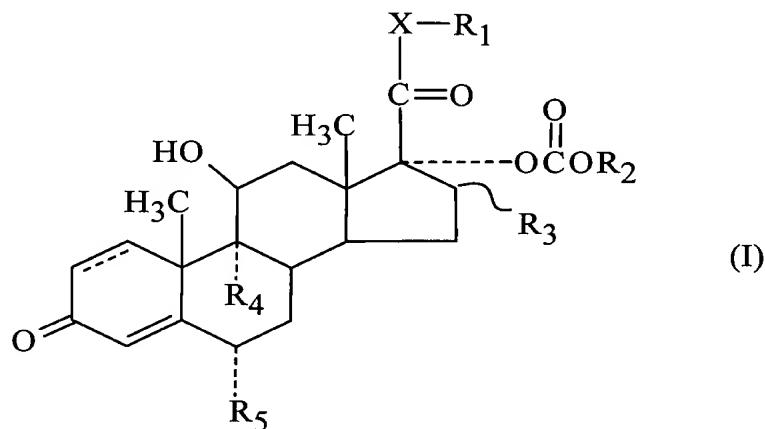


In Column 83, lines 2-12, part (g) of Claim 1, delete the structural formula (IX) and

insert in its stead:

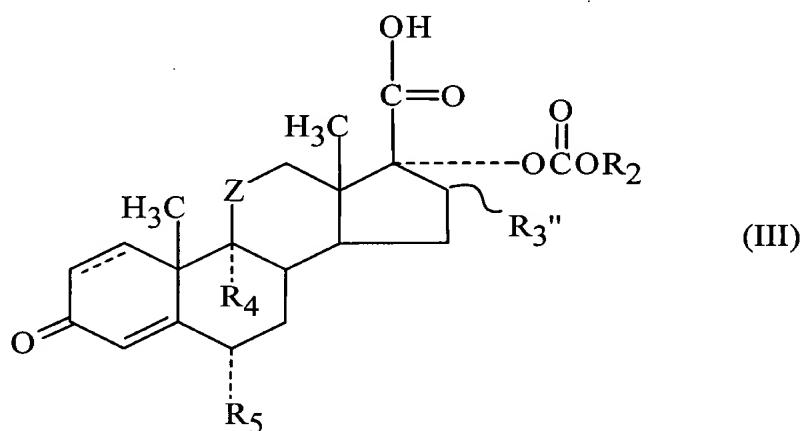


In Column 83, lines 20-31, part (a) of Claim 2, delete the structural formula (I) and insert in its stead:



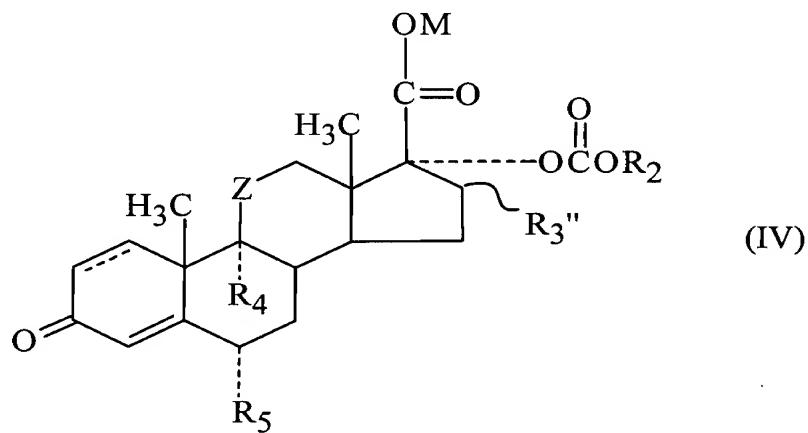
In Column 83, line 49, part (a) of Claim 2, in the definition of R<sub>3</sub>, "β-methyl, β-methyl" should read --α-methyl, β-methyl--.

In Column 84, lines 2-13, part (c) of Claim 2, delete the structural formula (III) and insert in its stead:



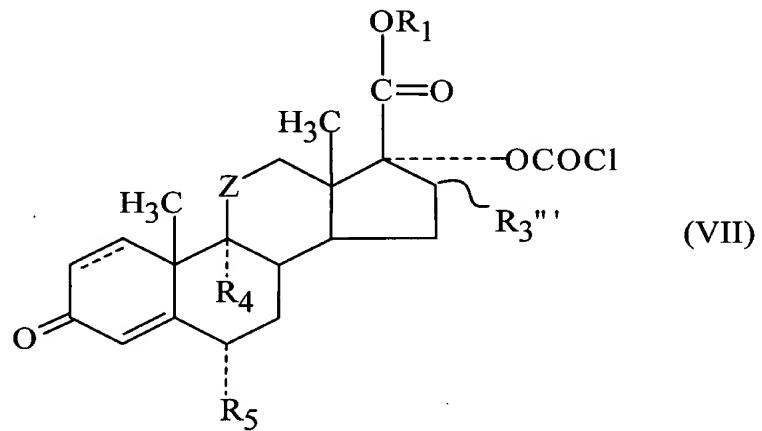
In Column 84, lines 31-43, part (d) of Claim 2, delete the structural formula (IV)

and insert in its stead:

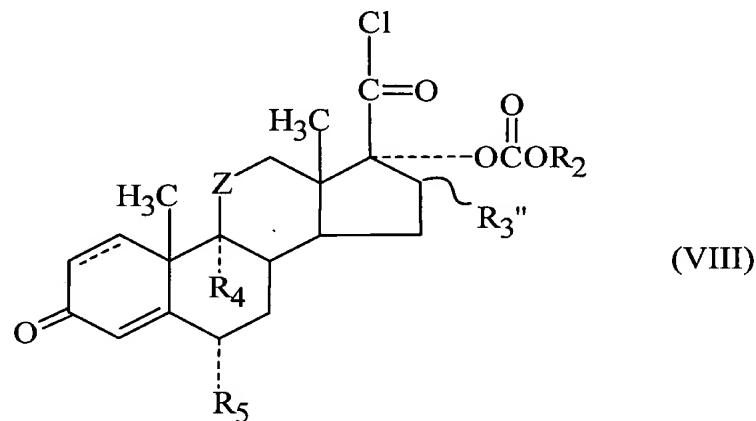


In Column 84, lines 51-62, part (e) of Claim 2, delete the structural formula (VII)

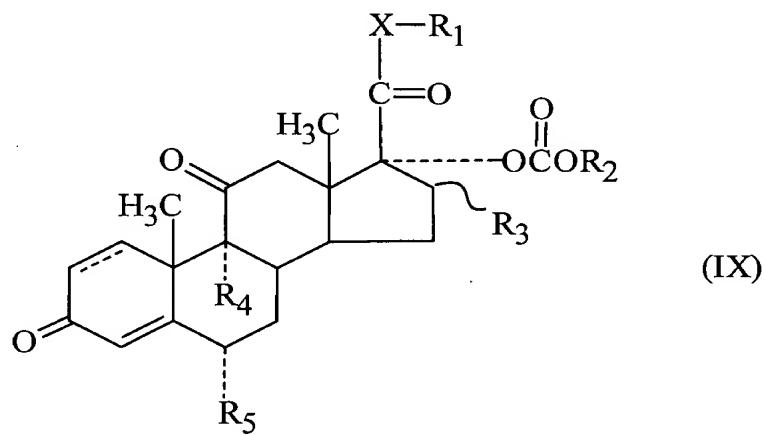
and insert in its stead:



In Column 85, lines 2-12, part (f) of Claim 2, delete the structural formula (VIII) and insert in its stead:



In Column 85, lines 18-28, part (g) of Claim 2, delete the structural formula (IX) and insert in its stead:



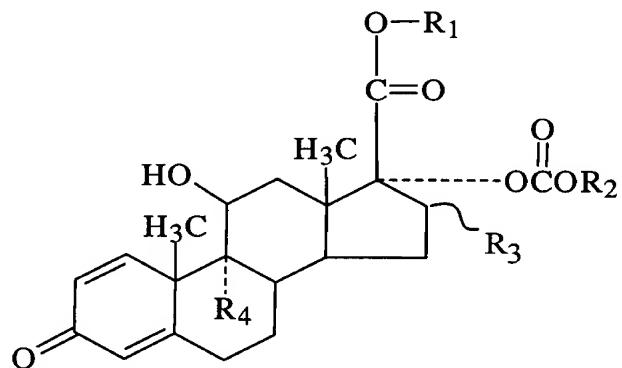
In Column 87, line 16, Claim 50, "sentss" should read --sents--.

In Column 88, line 42, Claim 73, after "claim 2" and before "is", insert --which--.

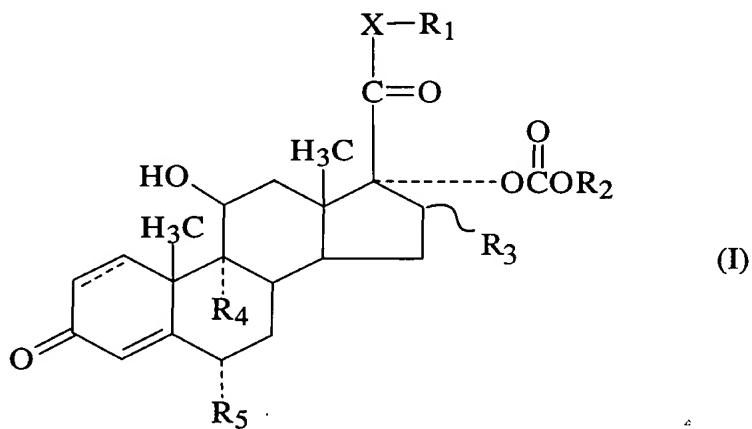
In Column 89, line 24, Claim 86, "dien" should read --diene--.

In Column 89, line 53, Claim 95, delete "-I-" and insert -- -O- --.

In Column 90, lines 33-42, Claim 110, delete the structural formula and insert in its stead:



In Column 90, lines 52-63, Claim 113, delete the structural formula (I) and insert in its stead:



The above information was correct in the application as filed on December 9, 1985 and as amended by amendments filed December 9, 1985 and September 9, 1987.

It is hereby requested that, in view of the above, a Certificate of Correction be issued. In addition, since the errors are printing errors and are the mistake of the Patent Office, the Certificate should be issued at no charge to the patentee.

Respectfully submitted,

BURNS, DOANE, SWECKER AND MATHIS, L.L.P.

By

Norman H. Stepp  
Registration No. 22,716

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

Date: March 23, 1998

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. :

DATED : 4,996,335

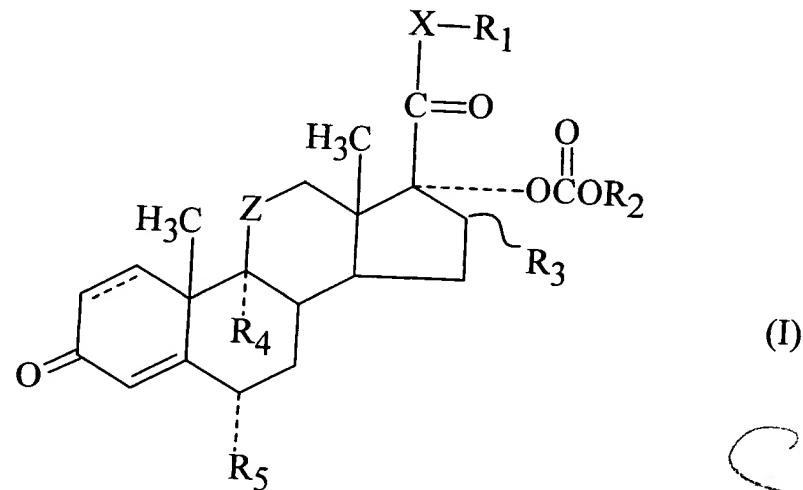
INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

105-5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 1, line 9, "Sept. 18" should read --Sept. 15--. C

In Column 2, lines 45-57, delete the structural formula (I), and insert in its



In Column 5, line 25, "timethylene" should read --trimethylene--. C

## MAILING ADDRESS OF SENDER:

Norman H. Stepno  
Burns, Doane, Swecker & Mathis, L.L.P.  
P.O. Box 1404  
Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
No. of Sheets 1  
@ 50



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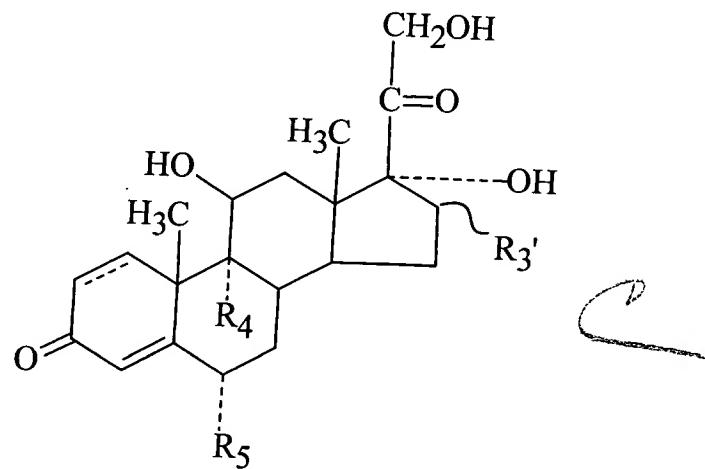
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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 10, lines 20-30, delete the structural formula and insert in its stead



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PATENT NO. 4,99  
 No. of  
 @ 51



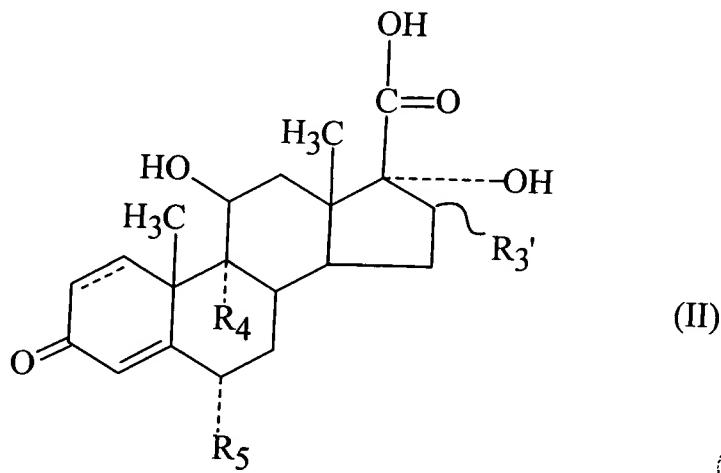
UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 5, lines 28 and 29, after "dialkylcarbamoyl", insert --groupings  
 the type--. *C*

In Column 10, lines 1-13, delete the structural formula (II) and insert in its place:



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PATENT NO. \_\_\_\_\_ 4,996,335  
 No. of  
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**CERTIFICATE OF CORRECTION**

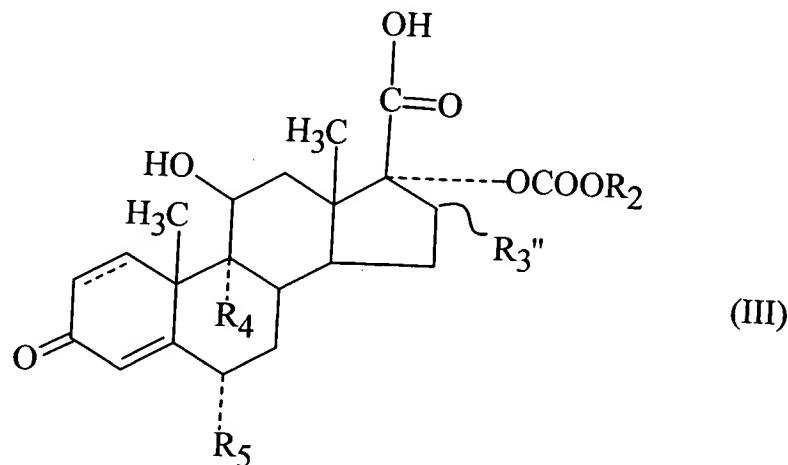
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 10, lines 50-60, delete the structural formula (III) and insert in its place:



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Burns, Doane, Swecker & Mathis, L.L.P.  
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PATENT NO. 4,996,335  
No. of  
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**CERTIFICATE OF CORRECTION**

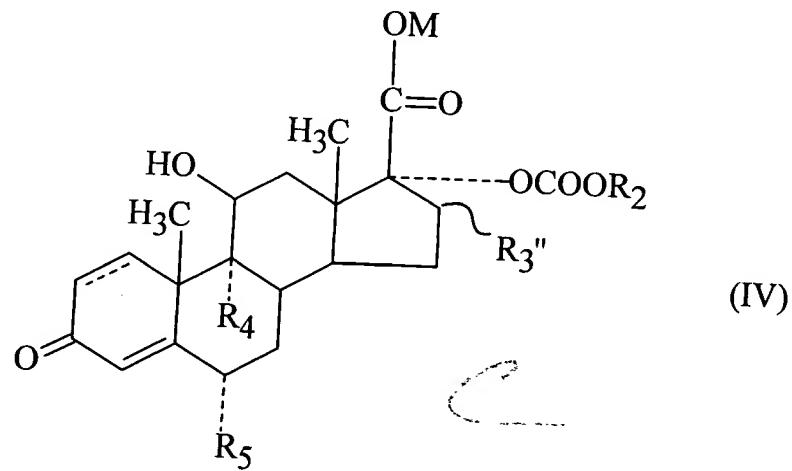
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 11, lines 15-25, delete the structural formula (IV) and insert in its place:



In Column 12, line 8, "wtih" should read --with--.

*C*

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Burns, Doane, Swecker & Mathis, L.L.P.  
P.O. Box 1404  
Alexandria, VA 22313-1404

FORM PTO 1050 (Rev. 2-93)

PATENT NO. 4,996,335  
No. of Sheets 1 of 5



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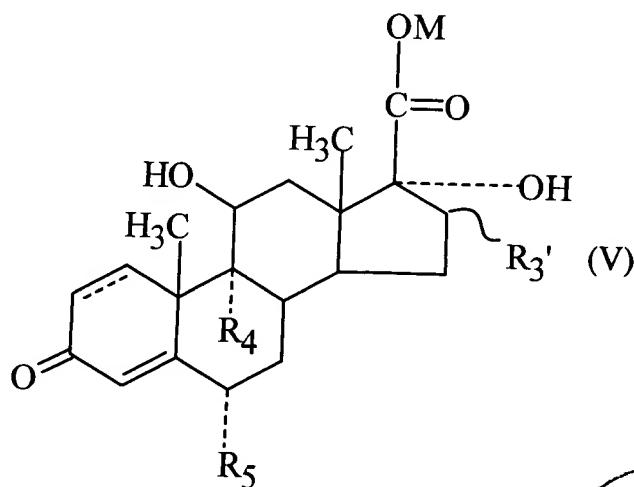
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UNITED STATES PATENT AND TRADEMARK OFFICE Pag  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 13, lines 1-12, delete structural formula (V) and insert in its stead



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 Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
 No. 0  
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CERTIFICATE OF CORRECTION

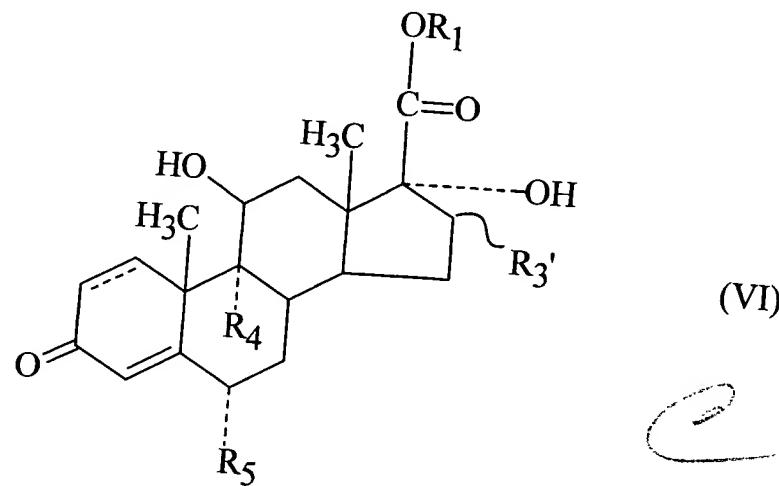
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is  
corrected as shown below:

In Column 13, lines 18-29, delete the structural formula (VI) and insert in



In Column 13, line 50, after "formula (I) wherein R<sub>1</sub> is", insert --a sulfinyl- or  
sulfonyl-containing group [e.g., when R<sub>1</sub> is--].

C

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Burns, Doane, Swecker & Mathis, L.L.P.  
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Alexandria, VA 22313-1404

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PATENT NO. 4,996  
No. of a  
@ 50¢

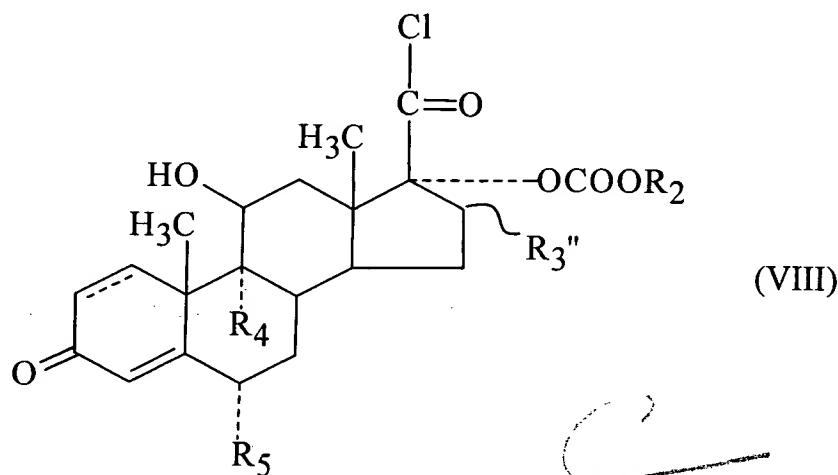
UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

Page

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is here corrected as shown below:

In Column 14, lines 5-17, delete the structural formula (VIII) and insert in it



In Column 14, line 42, "phuosgene" should read --phosgene--.

*C*

## MAILING ADDRESS OF SENDER:

Norman H. Stepno  
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 Alexandria, VA 22313-1404

PATENT NO. 4,9  
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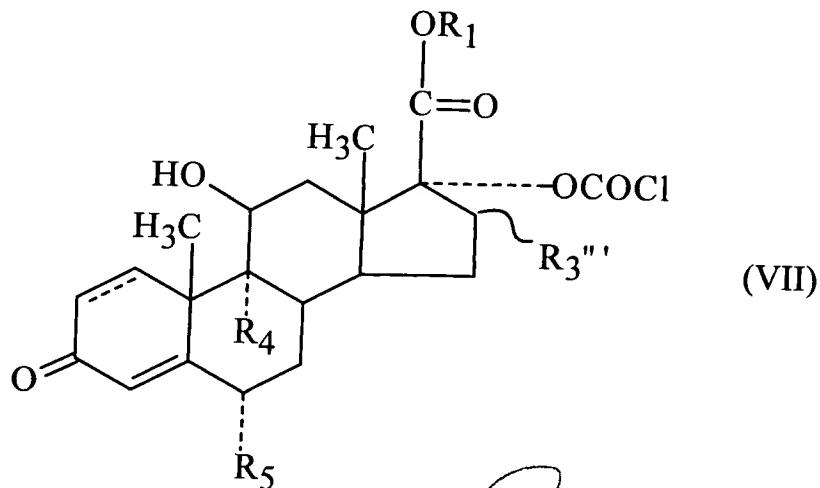
UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODORIt is certified that error appears in the above-identified patent and that said Letters Patent is her  
corrected as shown below:

In Column 14, lines 45-57, delete the structural formula (VII) and insert in :



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 No. C  
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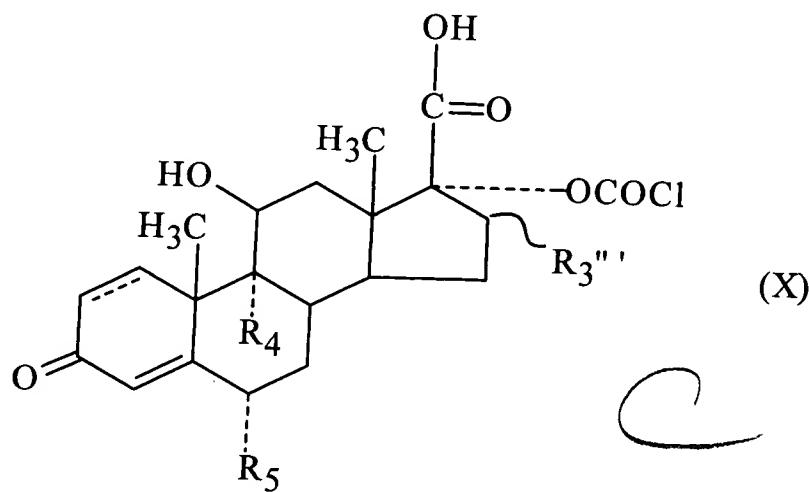
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UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 15, lines 23-34, delete the structural formula (X) and insert in its place:



In Column 16, line 40, "aceytonitrile" should read --acetonitrile--.

C

## MAILING ADDRESS OF SENDER:

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PATENT NO. 4,99  
 No. of  
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**CERTIFICATE OF CORRECTION**

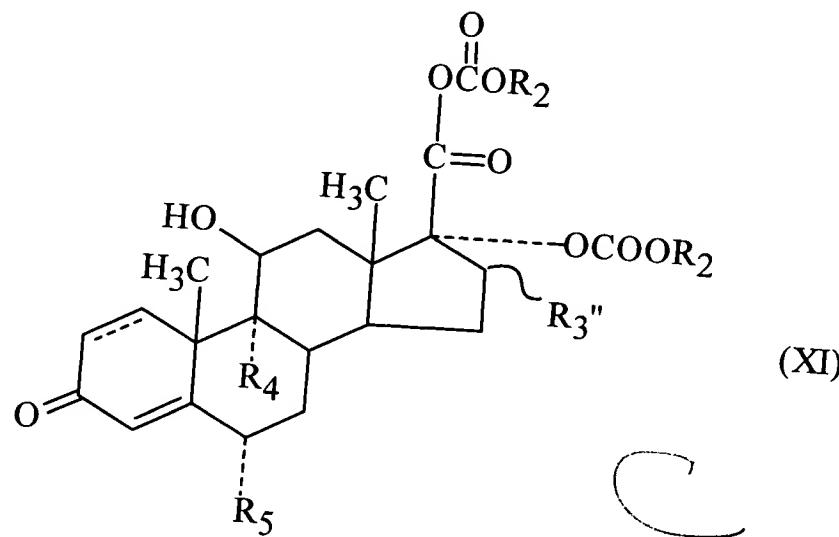
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is to be corrected as shown below:

In Column 16, lines 55-68, delete the structural formula (XI) and insert in



In Column 17, line 25, "suchy" should read --such--.

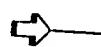
*suchy*

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Alexandria, VA 22313-1404

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PATENT NO.

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No. of ac  
@ 50¢

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**CERTIFICATE OF CORRECTION**

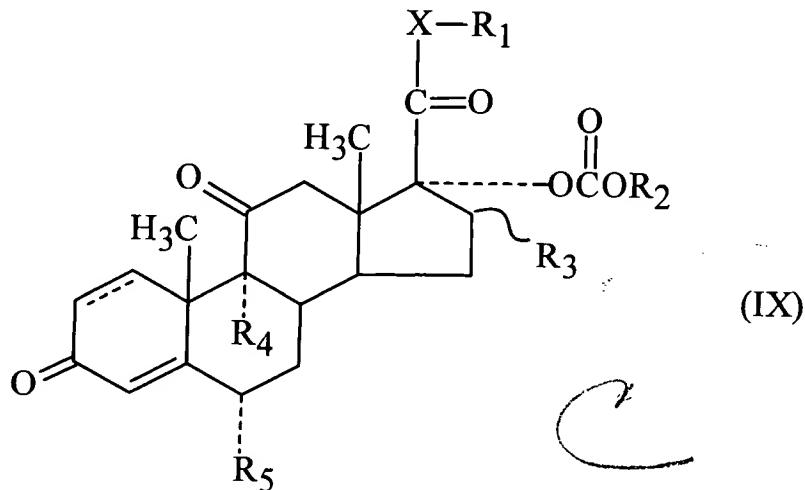
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 17, lines 36-46, delete the structural formula (IX) and insert in its place:



In Column 18, line 20, "and" should read --an--.

C

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Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
No. 1  
②



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is  
corrected as shown below:

In Column 18, line 60, "As" should read --An--. *C*

In Column 20, line 3, "McKenzie" should read --McKenzie--. *C*

In Column 26, line 63, "asigned" should read --assigned--. *C*

In Column 33, line 24, after "tioned", the period (".") should be a colon  
(--:--). *C*

In Column 33, line 32, "propylactic" should read --prophylactic--. *C*

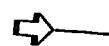
In Column 34, line 39, "17 $\alpha$ /e-" should read --17 $\alpha$ -e---. *C*

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**CERTIFICATE OF CORRECTION**

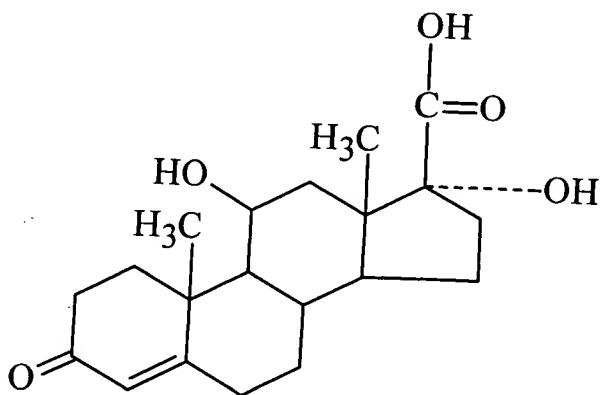
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 35, lines 47-58, delete the structural formula and insert in its stead



In Column 35, lines 67-68, "filtration" should read --filtrate--.

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PATENT NO. 4,99  
No. of  
@ 5



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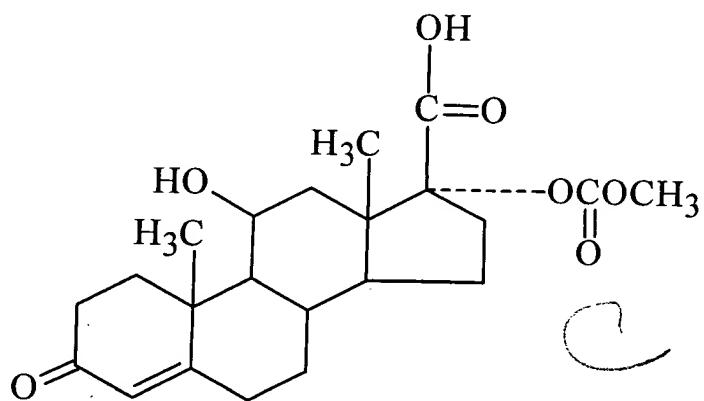
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UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is her  
corrected as shown below:

In Column 36, lines 12-23, delete the structural formula and insert in its ste.



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 No. 1  
 ②

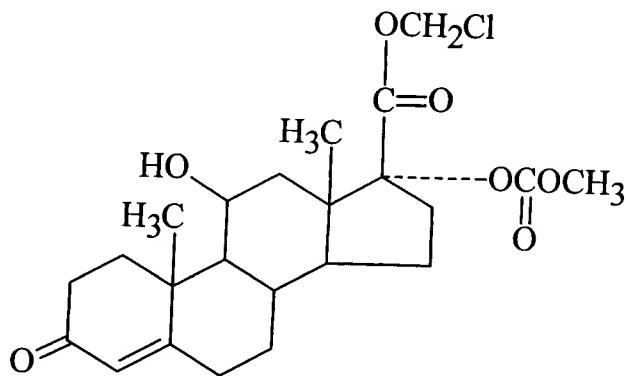


UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 37, lines 15-25, delete the structural formula and insert in its stead



In Column 37, line 53, after "nmr(CDCl<sub>3</sub>)" and before "δ5.60", insert --δ5.8  
 In Column 38, line 24, "mmol6)" should read --mmol)--.

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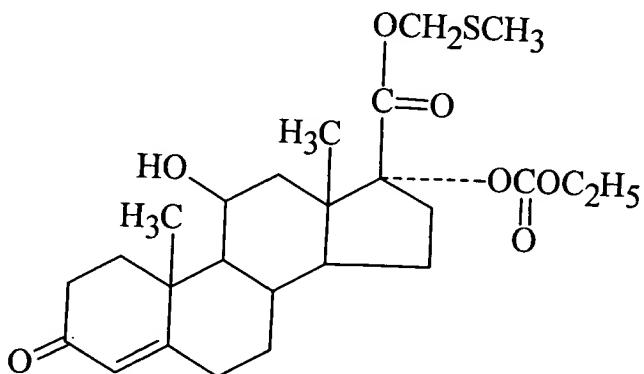
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UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is her  
corrected as shown below:

In Column 38, lines 51-61, delete the structural formula and insert in its ste



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 No. of  
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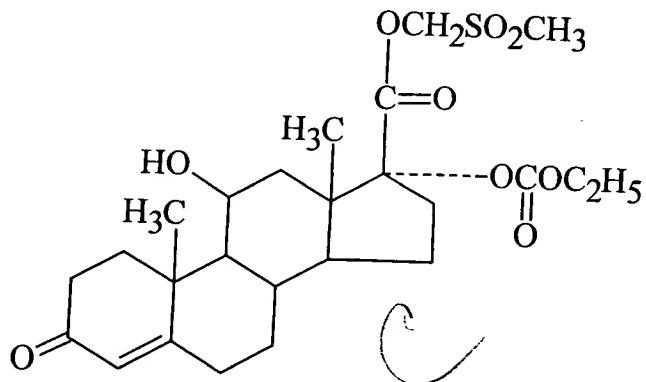
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UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 39, lines 6-16, delete the structural formula and insert in its stead



In Column 39, line 22, "17 $\beta$ -ethoxycarbonyloxy" should read --17 $\alpha$ -ethoxycarbonyloxy--. *C*

In Column 40, line 18, "11 $\alpha$ ,17 $\beta$ -dihydroxy" should read --11 $\beta$ ,17 $\alpha$ -dihydroxy--.

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 Alexandria, VA 22313-1404

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 No. of  
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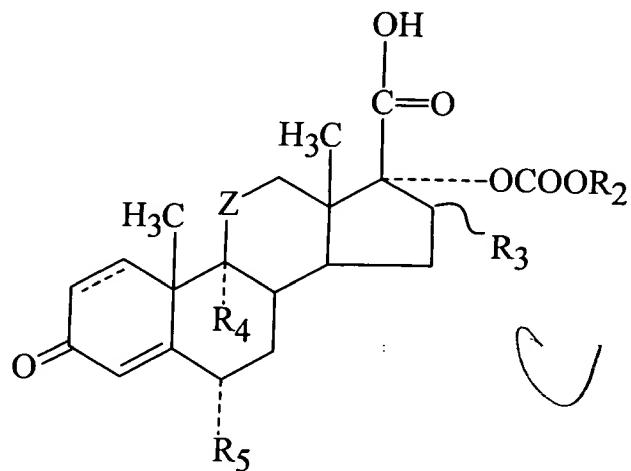
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UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is her  
corrected as shown below:

In Column 40, lines 35-46, delete the structural formula and insert in its ste~~a~~



In Column 40, line 48, delete "Compounds".

✓

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 Alexandria, VA 22313-1404

PATENT NO. 4,9  
 No. (1  
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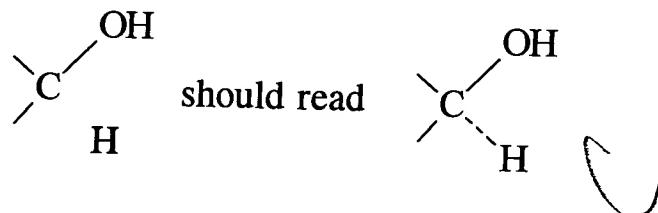
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UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is her  
corrected as shown below:

In Columns 40 and 41, in the table in Example 6A, for each of Compound 1  
6A-1 through 6A-15, under column "Z", at each occurrence,



In Column 41, line 60, at the bottom of the table, before "6a-1 to 6A-15 above  
insert --Compounds--.

In Column 41, line 62, "17 $\alpha$ -benzyloxo" should read --17 $\alpha$ -benzyloxy--.

In Column 43, line 13, "aicd" should read --acid--.

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PATENT NO. 4,996,335  
 No. 0  
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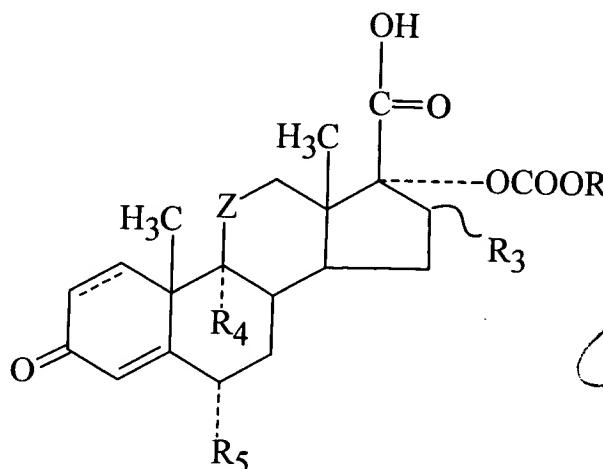
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**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 44, lines 10-21, delete the structural formula and insert in its stead:



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Norman H. Stepno  
 Burns, Doane, Swecker & Mathis, L.L.P.  
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PATENT NO. 4,9  
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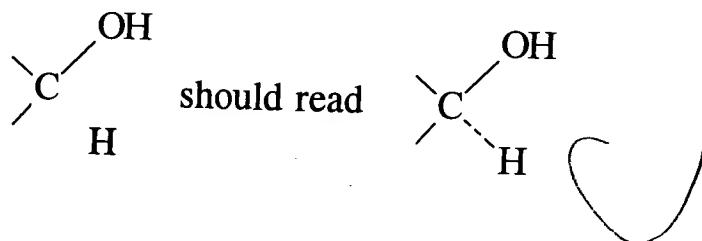


UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Columns 44, 45-46 and 47-48, in the table in Example 6B, for each of C Nos. 6B-3, 6B-4, 6B-5, 6B-7, 6B-8, 6B-9, 6B-11, 6B-12, 6B-13, and 6B-15 through under column "Z", at each occurrence,



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PATENT NO. 4,996,335  
 No. of  
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**CERTIFICATE OF CORRECTION**

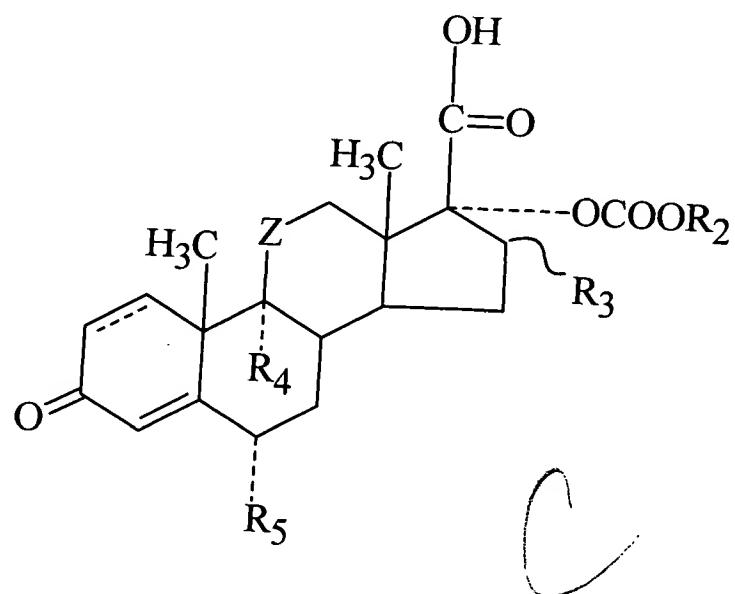
PATENT NO. .

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 48, lines 15-26, delete the structural formula (VI) and insert in



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Alexandria, VA 22313-1404

PATENT NO. 4,996  
No. of :  
@ 50

FORM PTO 1050 (Rev. 2-93)



UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

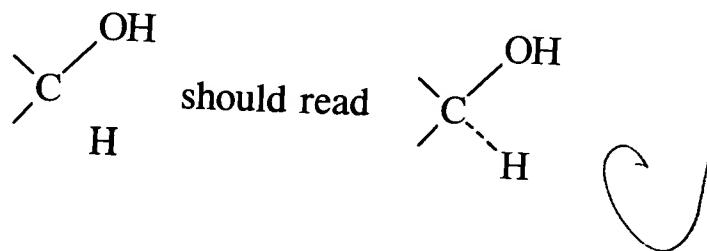
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Columns 48 and 49-50, in the table in Example 6C, for each of Compounds 6C-1 through 6C-11, under column "Z", at each occurrence,



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Alexandria, VA 22313-1404

PATENT NO. 4,99  
No. of  
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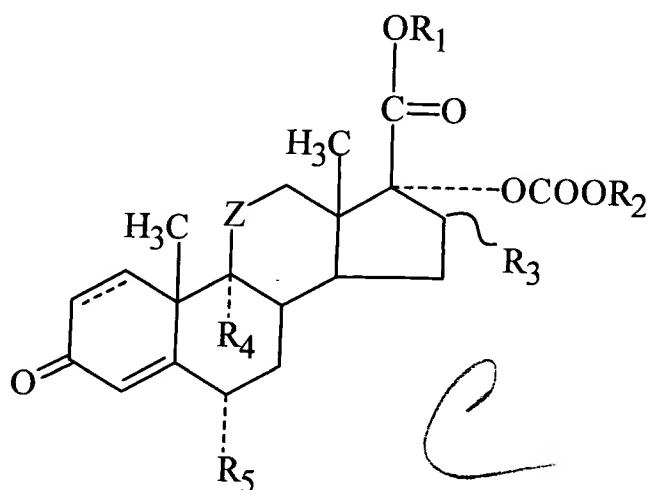
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UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 50, lines 33-45, delete the structural formula and insert in its stead



MAILING ADDRESS OF SENDER:

Norman H. Stepno  
 Burns, Doane, Swecker & Mathis, L.L.P.  
 P.O. Box 1404  
 Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
 No. 0  
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UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

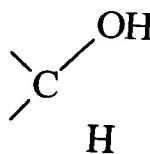
PATENT NO. :

DATED : 4,996,335

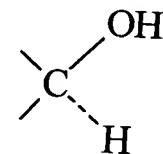
INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Columns 50 through 56, in the table in Example 7A, for each of Compounds 7A-1 through 7A-18 and 7A-21 through 7A-30, under column "Z", at each occurrence



should read



In Column 55, line 20, "17 $\beta$ -ethoxycarbonyloxy" should read  
--17 $\alpha$ -ethoxycarbonyloxy--.

In Column 56, line 14, "methylandrost" should read --methylandrosta--.

## MAILING ADDRESS OF SENDER:

Norman H. Stepno  
Burns, Doane, Swecker & Mathis, L.L.P.  
P.O. Box 1404  
Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
No. of  
@ 51



UNITED STATES PATENT AND TRADEMARK OFFICE Pag  
**CERTIFICATE OF CORRECTION**

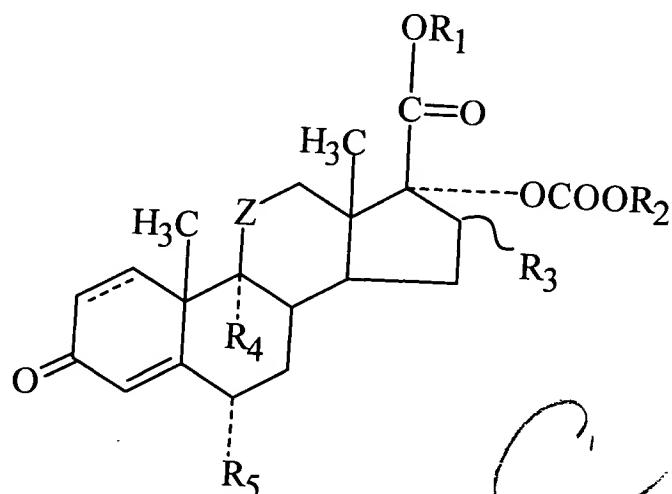
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 56, lines 46-56, delete the structural formula and insert in its stead



## MAILING ADDRESS OF SENDER:

Norman H. Stepno  
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Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
No. of  
@ 5

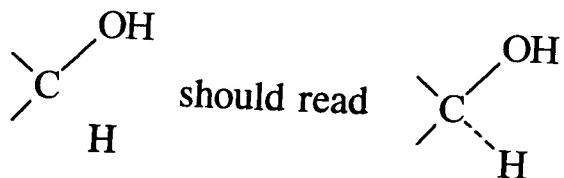
UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODORIt is certified that error appears in the above-identified patent and that said Letters Patent is he  
corrected as shown below:

In Columns 56 through 66, in the table in Example 7B, for each of Compos  
7B-1 through 7B-7, 7B-14 through 7B-18, 7B-22 through 7B-29, 7B-33 through 7E  
7B-44 through 7B-64, under column "Z", at each occurrence, C



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PATENT NO. 4,99  
No. of :  
@ 51



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**CERTIFICATE OF CORRECTION**

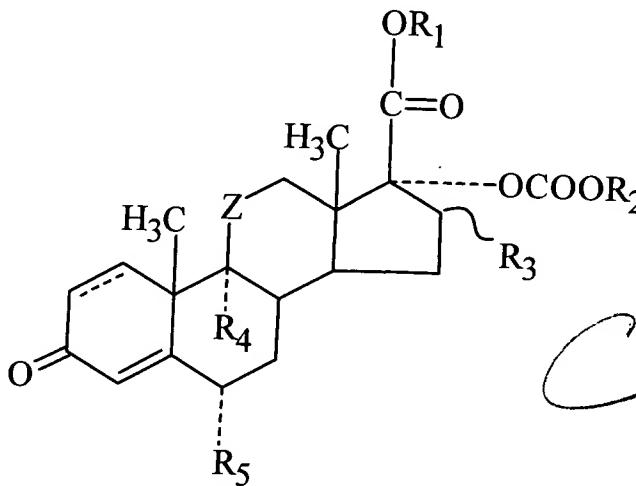
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 66, lines 40-50, delete the structural formula and insert in its stead



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PATENT NO. 4,996,335  
 No. of  
 @ 5

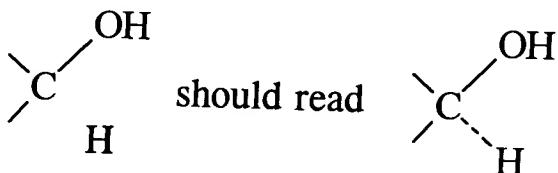


UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Columns 66 through 68, in the table in Example 7C, for each of Compounds 7C-1 through 7C-13, under column "Z", at each occurrence,



In Column 69, line 39, "11 $\alpha$ ," should read --11 $\beta$ --.

## MAILING ADDRESS OF SENDER:

Norman H. Stepno  
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PATENT NO. 4,996,335  
 No. of  
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**CERTIFICATE OF CORRECTION**

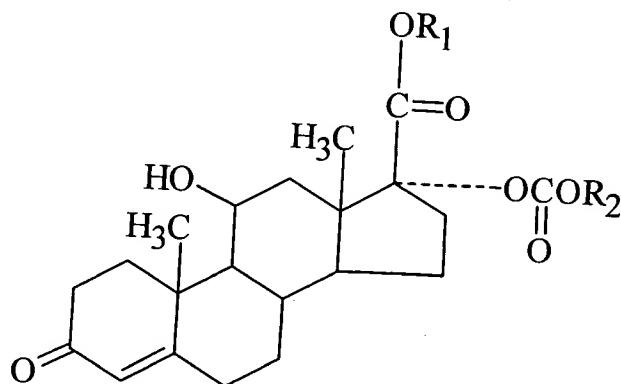
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 69, lines 52-62, delete the structural formula and insert in its stead



In Column 70, lines 3-13, delete the structural formula.

In Column 70, line 31, "thylfulfonylmethyl" should read --thylsulfonylmethyl.

## MAILING ADDRESS OF SENDER:

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Burns, Doane, Swecker & Mathis, L.L.P.  
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PATENT NO. 4,996,335  
No. of Sheets 1 of 1



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**CERTIFICATE OF CORRECTION**

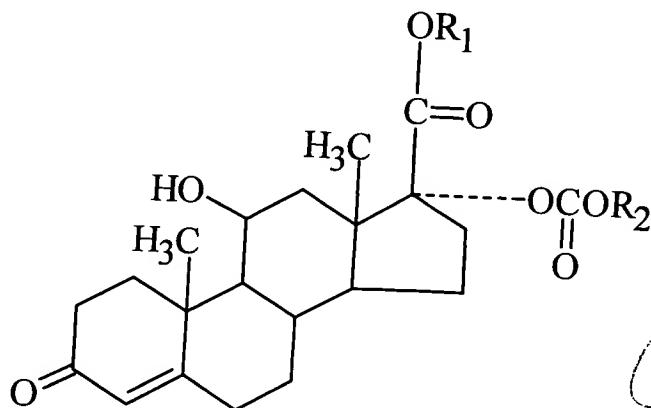
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 70, lines 37-46, delete the structural formula and insert in its stead



MAILING ADDRESS OF SENDER:

Norman H. Stepno  
Burns, Doane, Swecker & Mathis, L.L.P.  
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Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
No. of Sheets 1 of 1  
Date 5/1/91



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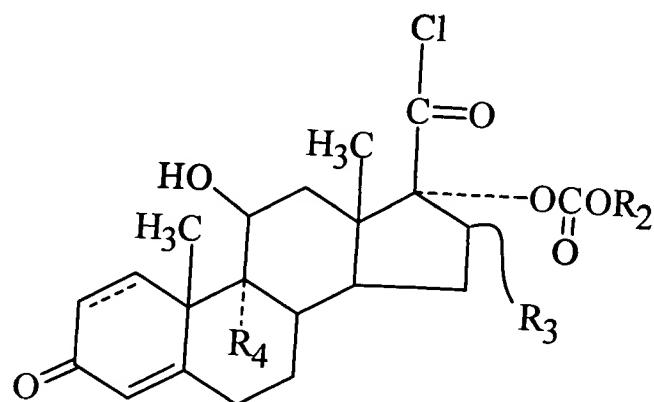
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 71, lines 2-11, delete the structural formula and insert in its stead



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PATENT NO. 4,996,335

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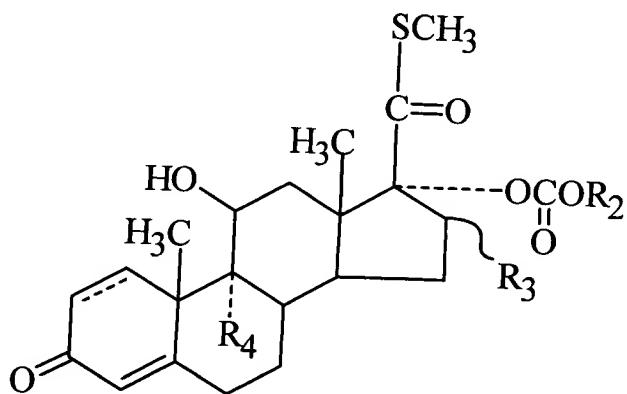
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 71, lines 22-31, delete the structural formula and insert in its stead



## MAILING ADDRESS OF SENDER:

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Burns, Doane, Swecker & Mathis, L.L.P.  
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Alexandria, VA 22313-1404

PATENT NO. 4,99  
No. of  
05



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**CERTIFICATE OF CORRECTION**

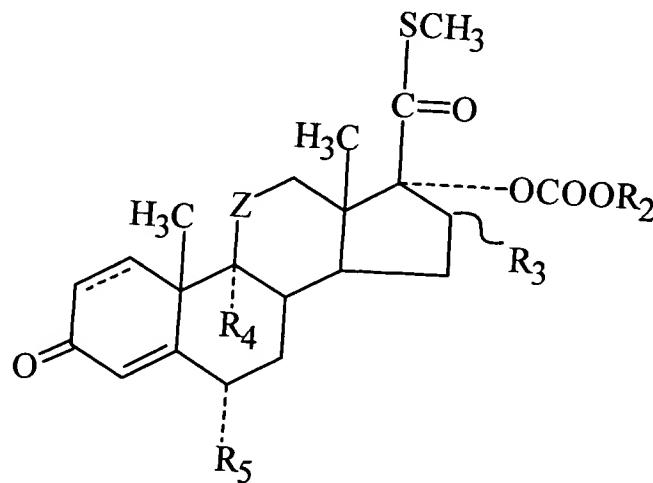
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 71, lines 44-54, delete the structural formula and insert in its stead



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Burns, Doane, Swecker & Mathis, L.L.P.  
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Alexandria, VA 22313-1404  
FORM PTO 1050 (Rev. 2-93)

PATENT NO. 4,996  
No. of a  
@ 50

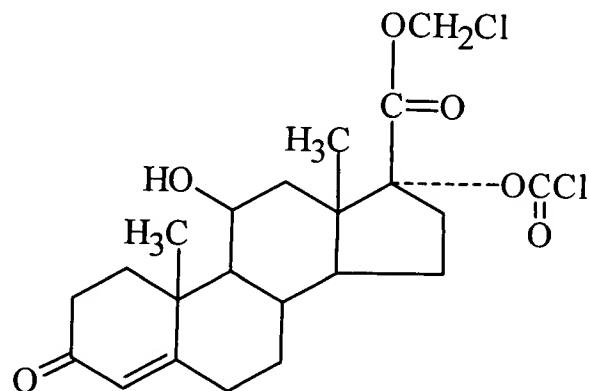


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**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
DATED : February 26, 1991  
INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is her  
corrected as shown below:

In Column 72, lines 5-13, delete the structural formula and insert in its stead



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Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
NO. 6

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**CERTIFICATE OF CORRECTION**

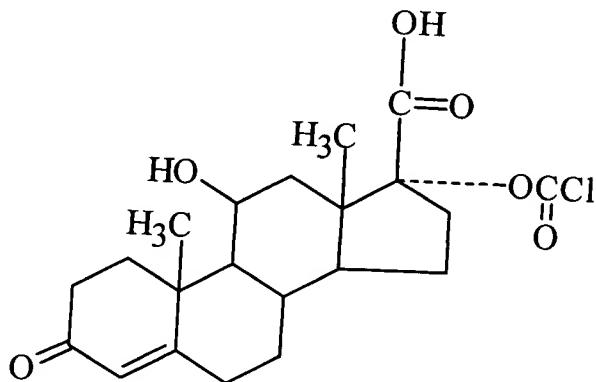
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 72, lines 51-60, delete the structural formula and insert in its stead



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PATENT NO. 4,996,335  
No. of 50  
@ 50



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**CERTIFICATE OF CORRECTION**

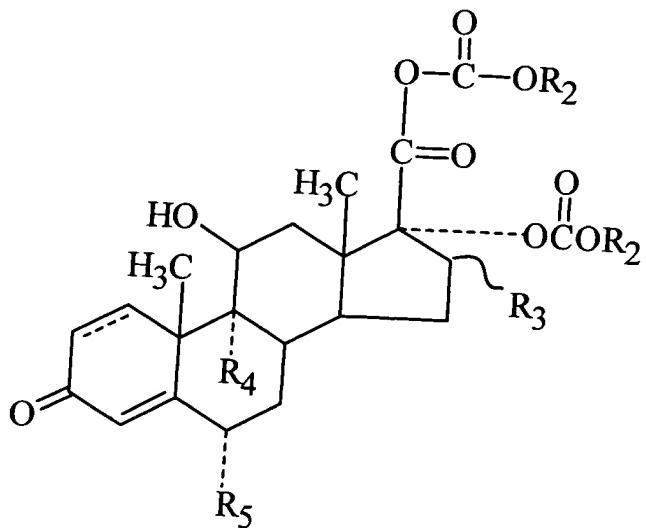
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 74, lines 2-14, delete the structural formula and insert in its stead



## MAILING ADDRESS OF SENDER:

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Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
No. of a  
@ 50



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**CERTIFICATE OF CORRECTION**

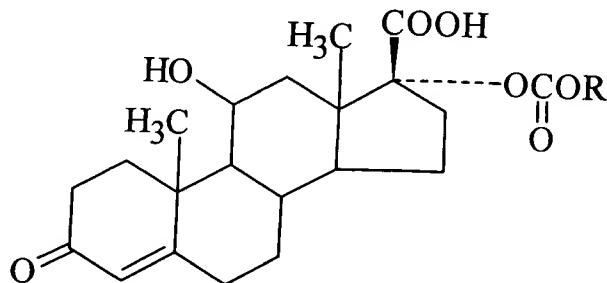
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 74, lines 47-55, delete the structural formula and insert in its stead



C

In Column 76, line 6, "dikmethylpyrrolidine" should read --dimethylpyrrolidine

MAILING ADDRESS OF SENDER:

Norman H. Stepno  
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PATENT NO. 4,99  
No. of  
@ 5



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**CERTIFICATE OF CORRECTION**

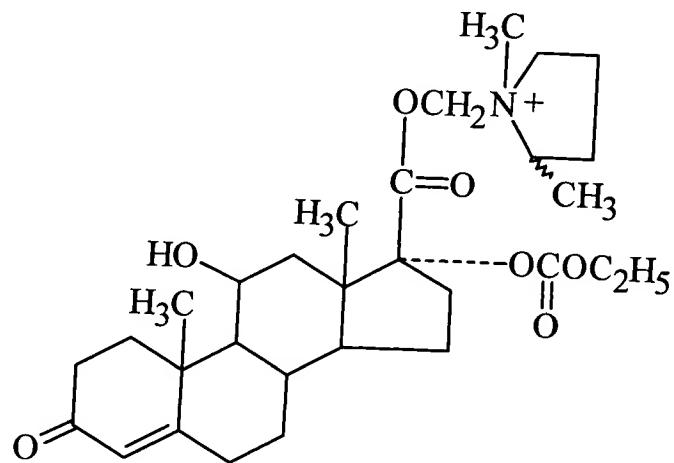
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 76, lines 17-30, delete the structural formula and insert in its stead



UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

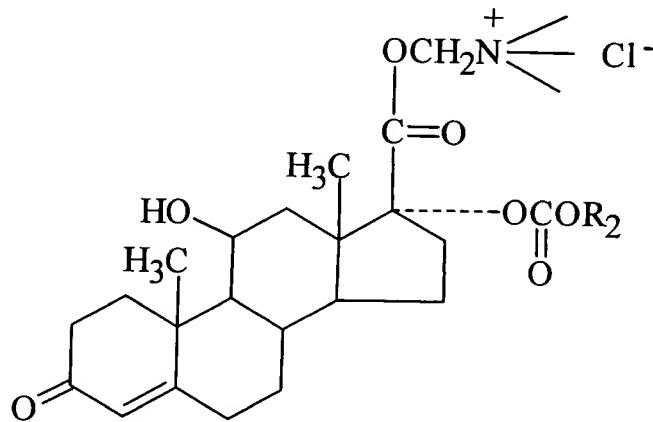
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 76, lines 37-48, delete the structural formula and insert in its stead:



## MAILING ADDRESS OF SENDER:

Norman H. Stepno  
Burns, Doane, Swecker & Mathis, L.L.P.  
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Alexandria, VA 22313-1404

PATENT NO. 4,996,335

No. 8



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**CERTIFICATE OF CORRECTION**

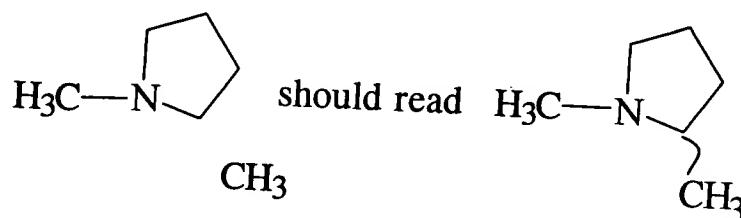
PATENT NO. .

DATED : 4,996.335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

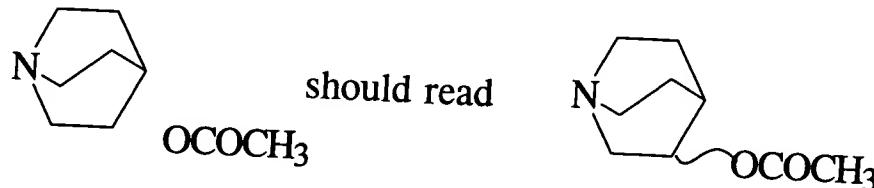
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 76, lines 52-55.



In Column 77, lines 3-12, delete the structural formula.

In Column 77, lines 17-20,



In Column 77, lines 57-58, "Benalkonium" should read --Benzalkonium--.

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PATENT NO. 4,994  
No. of 2  
@ 50



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**CERTIFICATE OF CORRECTION**

PATENT NO. :

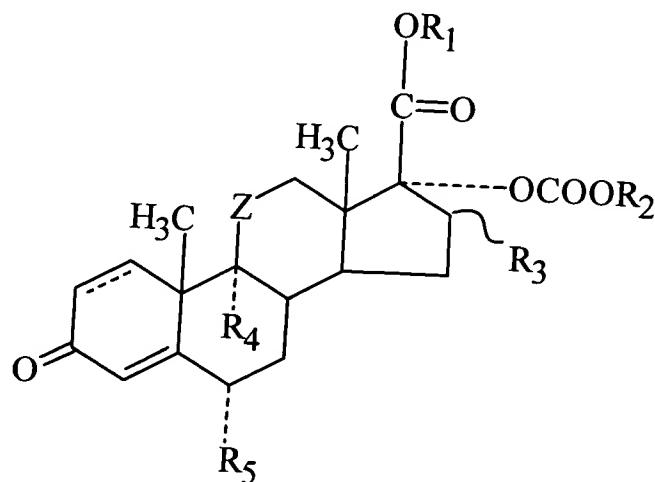
DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 78, line 38, "Eye Drops" should be underlined. ✓

In Column 79, lines 14-25, delete the structural formula and insert in its stead



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Alexandria, VA 22313-1404

FORM PTO 1050 (Rev. 2-93)

PATENT NO. 4,996,335  
No. of Sheets 1  
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**CERTIFICATE OF CORRECTION**

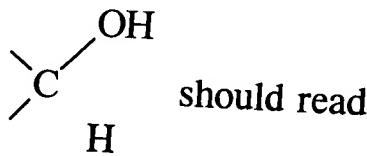
PATENT NO. :

DATED : 4,996,335

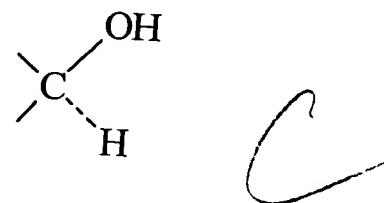
INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Columns 79-80, lines 24-38, in the table in Example 29, for each of Column Nos. 29-1 and 29-2, under column "Z", at each occurrence,



should read



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PATENT NO. 4,996,335  
No. of Sheets 1  
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**CERTIFICATE OF CORRECTION**

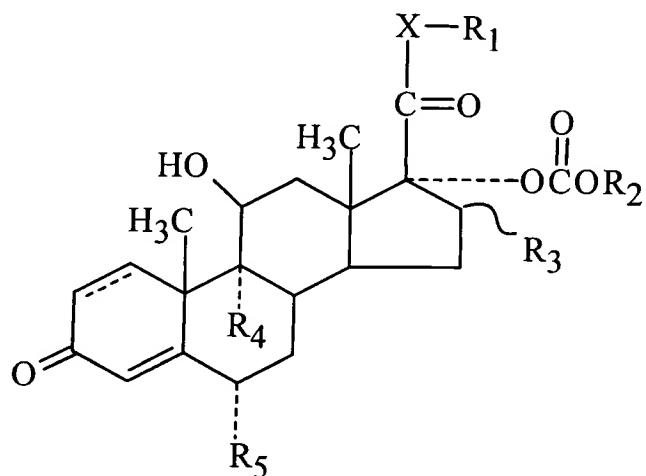
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 80, lines 2-12, part (a) of Claim 1, delete the structural formula and insert in its stead:



(I)

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Alexandria, VA 22313-1404

PATENT NO. 4,996,335

No. 6



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**CERTIFICATE OF CORRECTION**

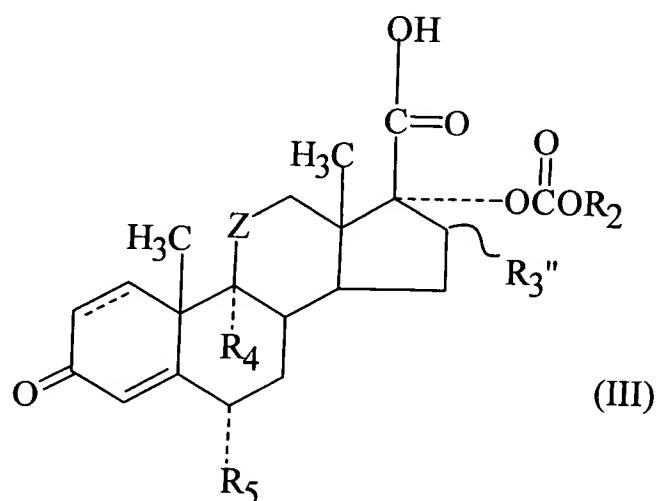
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 81, lines 55-65, part (c) of Claim 1, delete the structural formula and insert in its stead:



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Burns, Doane, Swecker & Mathis, L.L.P.  
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Alexandria, VA 22313-1404

FORM PTO 1050 (Rev. 2-93)

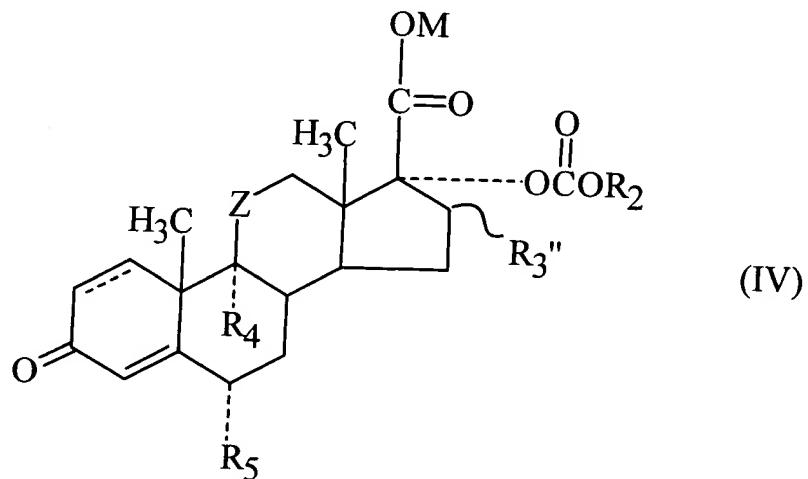
PATENT NO. 4,996,335  
No. of 85

UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
DATED : February 26, 1991  
INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 82, lines 15-24, part (d) of Claim 1, delete the structural formula and insert in its stead:



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Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
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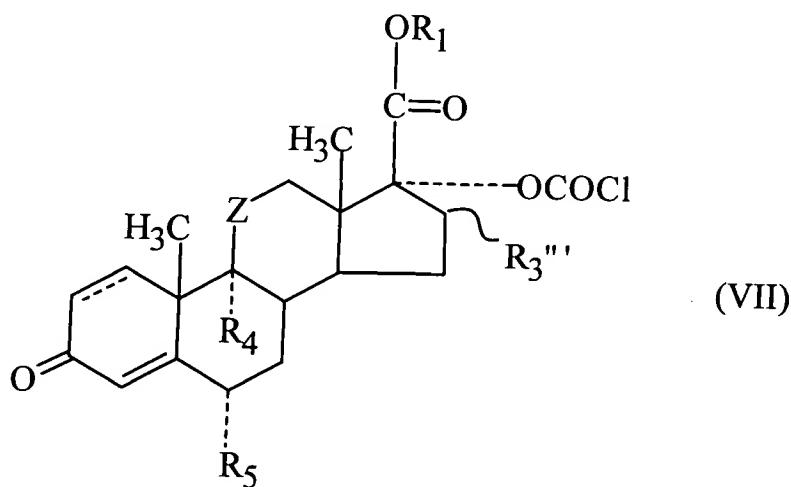


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**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
DATED : February 26, 1991  
INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 82, lines 34-44, part (e) of Claim 1, delete the structural formula (VII) and insert in its stead:



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Alexandria, VA 22313-1404

PATENT NO. 4,9  
No. 0  
②



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**CERTIFICATE OF CORRECTION**

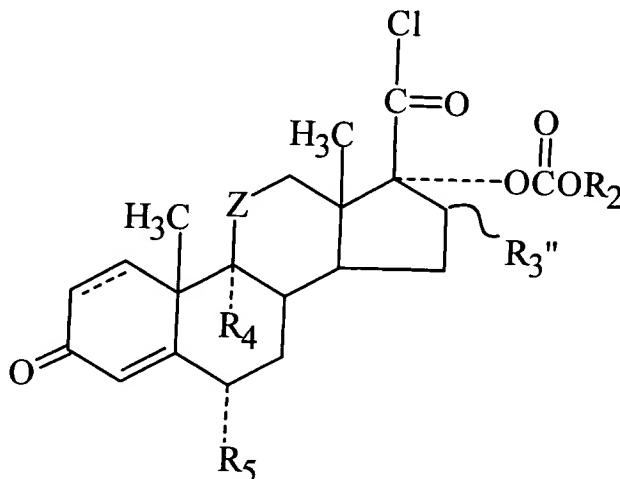
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 82, lines 53-64, part (f) of Claim 1, delete the structural formula (VIII) and insert in its stead:



(VIII)

## MAILING ADDRESS OF SENDER:

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P.O. Box 1404  
Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
No. 6  
②

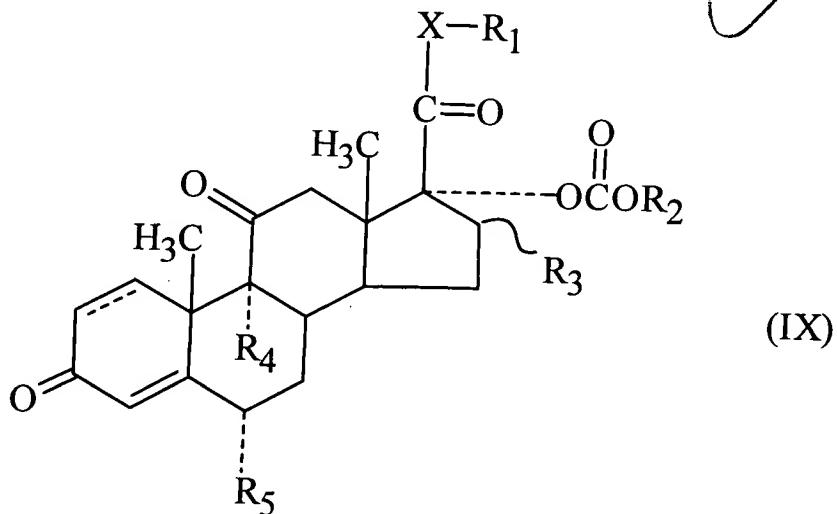


UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
DATED : February 26, 1991  
INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is her  
corrected as shown below:

In Column 83, lines 2-12, part (g) of Claim 1, delete the structural formula  
(IX) and insert in its stead:



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Alexandria, VA 22313-1404

PATENT NO. 4,996,335  
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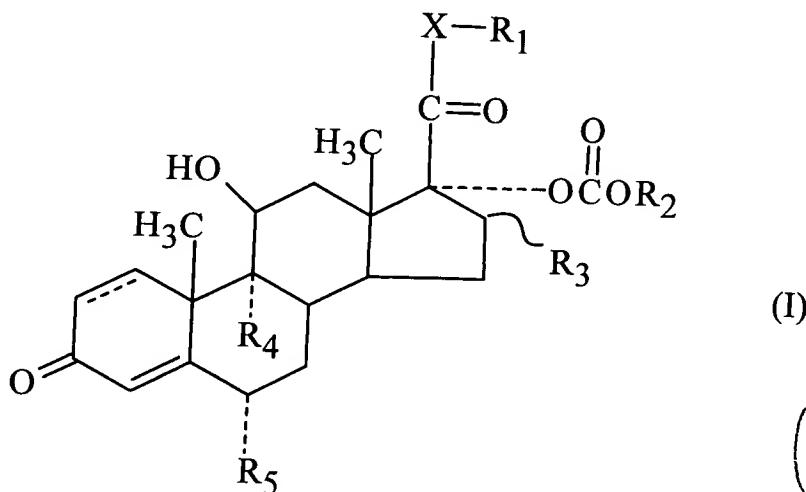
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UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODORIt is certified that error appears in the above-identified patent and that said Letters Patent is her  
corrected as shown below:In Column 83, lines 20-31, part (a) of Claim 2, delete the structural formula  
(I) and insert in its stead:

## MAILING ADDRESS OF SENDER:

Norman H. Stepno  
 Burns, Doane, Swecker & Mathis, L.L.P.  
 P.O. Box 1404  
 Alexandria, VA 22313-1404

FORM PTO 1050 (Rev. 2-93)

PATENT NO. 4,996,335  
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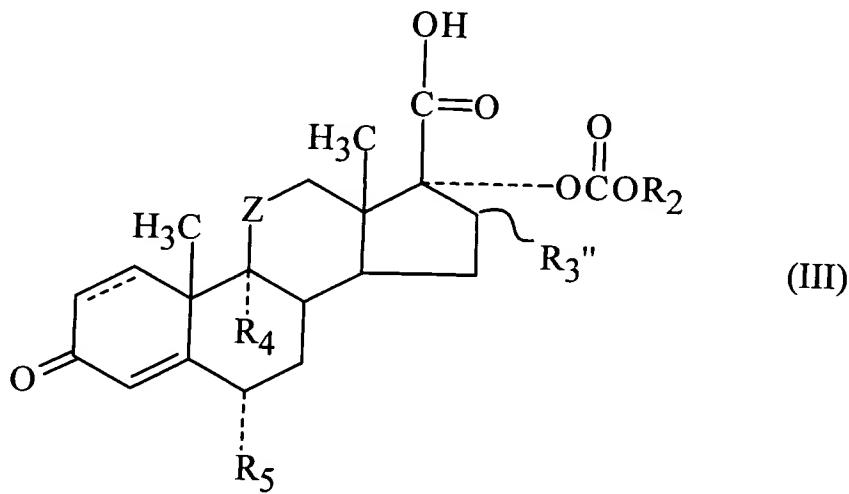
UNITED STATES PATENT AND TRADEMARK OFFICE Page  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
 DATED : February 26, 1991  
 INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 83, line 49, part (a) of Claim 2, in the definition of  $R_3$ , " $\beta$ -methyl,  $\beta$ -methyl" should read -- $\alpha$ -methyl,  $\beta$ -methyl--. *C*

In Column 84, lines 2-13, part (c) of Claim 2, delete the structural formula (III) and insert in its stead:



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PATENT NO. 4,996,335  
 No. o  
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**CERTIFICATE OF CORRECTION**

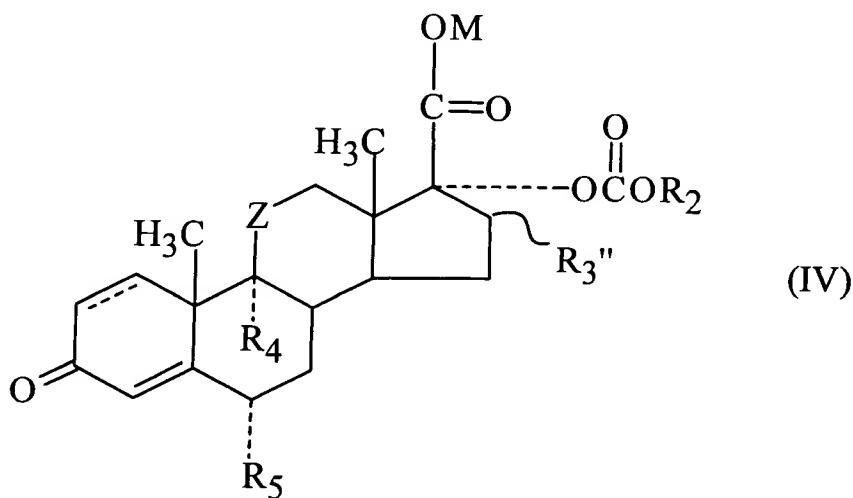
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 84, lines 31-43, part (d) of Claim 2, delete the structural formula (IV) and insert in its stead:



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PATENT NO. 4,996,335  
No. 8

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**CERTIFICATE OF CORRECTION**

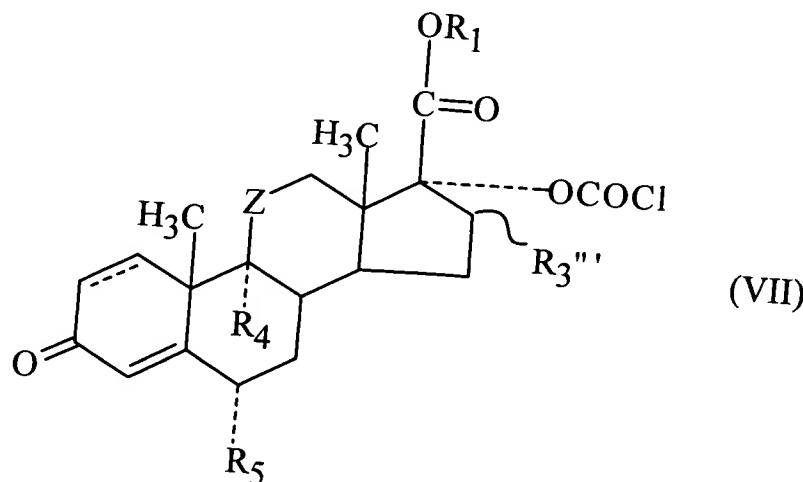
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 84, lines 51-62, part (e) of Claim 2, delete the structural formula (VII) and insert in its stead:



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PATENT NO. 4,996  
No. of ac. @ 50¢



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**CERTIFICATE OF CORRECTION**

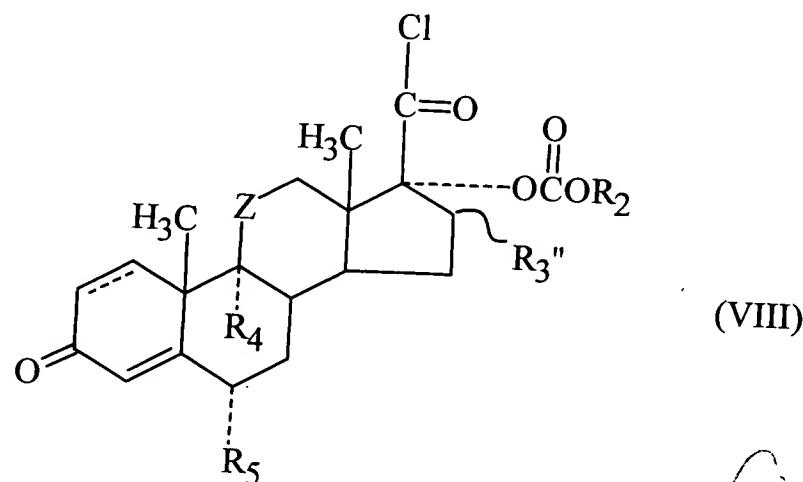
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 85, lines 2-12, part (f) of Claim 2, delete the structural formula (VIII) and insert in its stead:



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PATENT NO. 4,99

No. of  
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**CERTIFICATE OF CORRECTION**

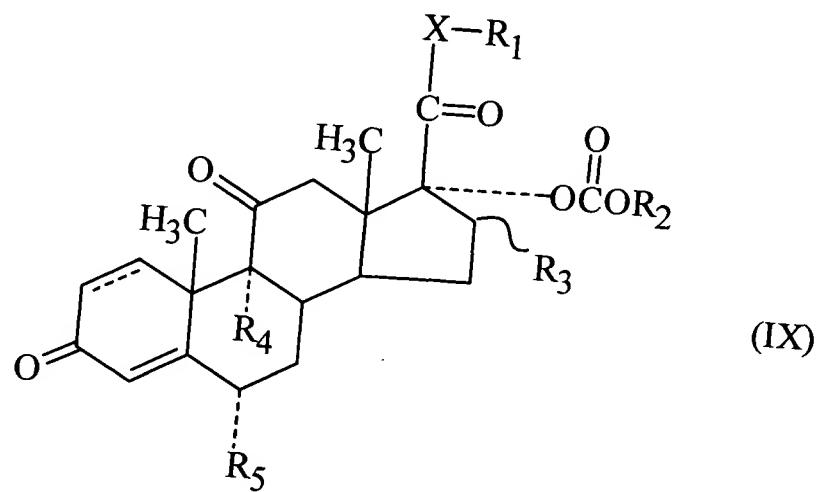
PATENT NO. :

DATED : 4,996,335

INVENTOR(S) : February 26, 1991  
Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 85, lines 18-28, part (g) of Claim 2, delete the structural formula (IX) and insert in its stead:



In Column 87, line 16, Claim 50, "sentss" should read --sents--.

C

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PATENT NO.

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No. of ad  
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UNITED STATES PATENT AND TRADEMARK OFFICE Page 5  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
DATED : February 26, 1991  
INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is here corrected as shown below:

In Column 88, line 42, Claim 73, after "claim 2" and before "is", insert  
--which--. *(Handwritten checkmark)*

In Column 89, line 24, Claim 86, "dien" should read --diene--. *(Handwritten checkmark)*

In Column 89, line 53, Claim 95, delete "-I-" and insert -- -O- --. *(Handwritten checkmark)*

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PATENT NO. 4

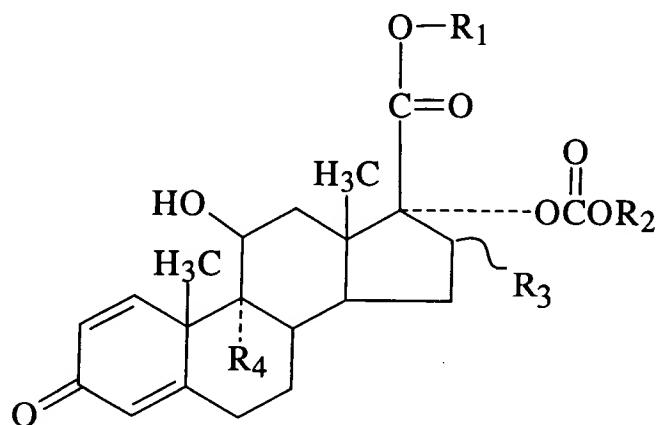
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UNITED STATES PATENT AND TRADEMARK OFFICE Page 5  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
DATED : February 26, 1991  
INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is here corrected as shown below:

In Column 90, lines 33-42, Claim 110, delete the structural formula and insert in its stead:



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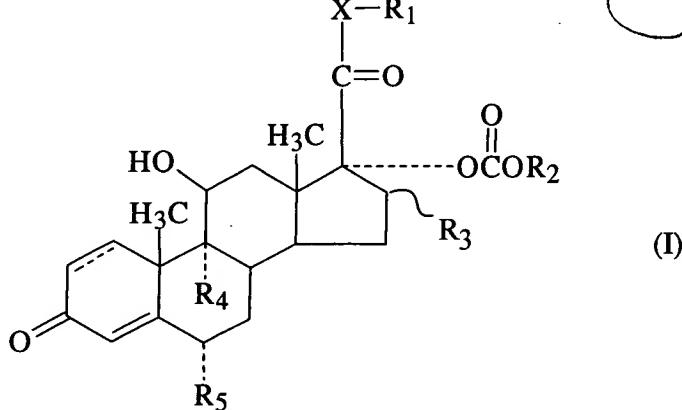
PATENT NO. 4,996,335  
No

UNITED STATES PATENT AND TRADEMARK OFFICE Page 59 of 59  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 4,996,335  
DATED : February 26, 1991  
INVENTOR(S) : Nicholas S. BODOR

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

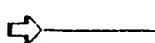
In Column 90, lines 52-63, Claim 113, delete the structural formula (I) and insert in its stead:



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PATENT NO. 4,996,335  
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